

## Form PTO-1449 (Substitute) U.S. Department of Commerce Patent and Trademark Office

## INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

| Application Number.  | 10/646,070                           |
|----------------------|--------------------------------------|
| Filing Date          | August 22, 2003                      |
| First Named Inventor | Michael Wayne<br>Graham              |
| Art Unit             | 1635                                 |
| Examiner Name        | Whiteman, B.                         |
| Attorney Docket No.  | 0687/74768-BA-PCT-<br>US/JPW/GJG/MJP |

| xaminer<br>Initials | Cite<br>No.1 | Document Number<br>Number-Kind Code <sup>2 (if known)</sup> | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |            |             |
|---------------------|--------------|---|--------------------------------|---|------------|-------------|
|                     | 1            | 4,689,320   | 08-25-1987                     | Kaji et al.                                     |            |             |
|                     | 2 5,891,855  |   | 2 5,891,85                     |   | 04-06-1999 | Florkiewicz |
|                     | 3            | 6,054,299   | 04-25-2000                     | Conrad  |            |             |
|                     | 4            | 60/068,562  | 12-23-1997                     | Fire et al.                                     |            |             |
|                     | 5 5,017,488  |   | 05-21-1991                     | McAllister et al.                               |            |             |
| ,                   | 6            | 5,270,163   | 12-14-1993                     | Gold et al.                                     |            |             |
|                     | 7            | 5,349,126   | 09-20-1994                     | Joseph Chappell et al.                          |            |             |
|                     | 8            | 5,405,775   | 04-11-1995                     | Inouye et al.                                   |            |             |
|                     | 9            | 5,434,070   | 07-18-1995                     | Inouye et al.                                   |            |             |
|                     | 10           | 5,457,189   | 10-10-1995                     | Crooke et al.                                   |            |             |
|                     | 11           | 5,474,935   | 12-12-1995                     | Chatterjee et al.                               |            |             |
|                     | 12           | 5,496,698   | 03-05-1996                     | Draper  |            |             |
|                     | 13           | 5,530,192   | 06-25-1996                     | Murase et al.                                   |            |             |
|                     | 14           | 5,578,716 (redacted version)                                | 11-26-1996                     | Moshe Szyf and Eric von Hofe                    |            |             |
|                     | 15           | 5,580,703   | 12-03-1996                     | Kotin et al.                                    |            |             |
|                     | 16           | 5,597,718   | 01-28-1997                     | John et al.                                     |            |             |
|                     | 17.          | 5,631,148 (redacted version)                                | 05-20-1997                     | Michael S. Urdea                                |            |             |
|                     | 18           | 5,707,835   | 01-13-1998                     | Haseloff et al.                                 |            |             |
|                     | 19           | 5,795,715   | 08-18-1998                     | Thierry Livache et al.                          |            |             |
|                     | 20           | 5,801,154   | 09-01-1998                     | Baracchini et al.                               |            |             |
|                     | 21           | 5,859,347   | 01-12-1999                     | Brown et al.                                    |            |             |
| XAMINER<br>IGNATUR  | _            | -   | DATE CONSIDERED                |   |            |             |

<sup>\*</sup>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds of Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

| Form P7               | Г <b>О-1</b> | 449 (Substitute) U.S. Dep                                   |                                |        | Application Number        | 10/646,070                         |  |
|-----------------------|--------------|---|--------------------------------|--------|---------------------------|------------------------------------|--|
|                       |              | Patent a  | nd Trademark Ç                 | Office | Filing Date               | August 22, 2003                    |  |
| NFORM                 | ИАТ          | TION DISCLOSURE STAT  | <b>TEMENT</b>                  |        | First Named Inventor      | Michael Wayne<br>Graham            |  |
| Use sev               | eral :       | sheets if necessary)  |                                |        | Art Unit                  | 1635                               |  |
|                       |              |   |                                |        | Examiner Name             | Whiteman, B.                       |  |
|                       |              |   |                                |        | Attorney Docket No.       | 0687/74768-BA-PC<br>US/JPW/GJG/MJP |  |
|                       |              |   | U.S. PATENT DOC                | UMENTS |                           |                                    |  |
| Examiner<br>Initials* | Cite<br>No.1 | Document Number<br>Number-Kind Code <sup>2 (if known)</sup> | Publication Date<br>MM-DD-YYYY |        | e of Patentee or Applican | t of Cited Document                |  |
|                       | 22           | 5,939,600   | 08-17-1999                     |        | Goldbach e                | t al.                              |  |
|                       | 23           | 5,952,546   | 09-14-1999                     |        | Bedbrook e                | t al.                              |  |
|                       | 24           | 6,150,585   | 11-21-2000                     |        | Goldbach et al.           |                                    |  |
|                       | 25           | 6,344,316 B1  | 02-05-2002                     | Da     | David J. Lockhart et al.  |                                    |  |
|                       | 26           | 6,350,575   | 02-26-2002                     |        | Lusky et al.              |                                    |  |
|                       | 27           | 6,506,559 (redacted version)                                | 01-14-2003                     |        | Fire et al.               |                                    |  |
|                       | 28           | 6,995,258   | 02-07-2006                     |        | Rossietal e               | et al.                             |  |
|                       | 29           | 7,064,185   | 06-20-2006                     |        | Lau                       |                                    |  |
|                       | 30           | 60/068,562 (redacted version)                               | 12-23-1997                     |        | Fire et                   | al.                                |  |
|                       | 31           | 2002/0150986  | 10-17-2002                     |        | Lau                       |                                    |  |
|                       | 32           | 2003/0148519  | 08-07-2003                     |        | Engelke et                | al.                                |  |
|                       | 33           | 2004/0106566 A1   | 06-03-2004                     |        | Lin et a                  | 1.                                 |  |
|                       | 34           | 2004/0234504 A1   | 11-25-2004                     |        | Inder M. Verm             | a et al.                           |  |
|                       |              |   |                                |        |                           |                                    |  |
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|                       |              | Patent and Trad  | emark Office     | Filing Date                         | August 22, 20                  | 03             |
| INFOR                 | MAT          | TION DISCLOSURE STATEMEN   | Т                | First Named Inventor                | Michael Wayne<br>Graham        |                |
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|                       |              |  |                  | Attorney Docket No.                 | 0687/74768-BA<br>US/JPW/GJG/MJ |                |
| -                     |              | FOREIGN P.   | ATENT DOCUME     | NTS                                 |                                |                |
| Examiner<br>Initials* | Cite<br>No.1 | Foreign Patent Document<br>Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5 (if known)</sup> | Publication Date | Name of Pater<br>Applicant of Cited |                                | T <sup>6</sup> |
| _                     | 35           | WO 01/12824 A1   | 02-22-2001       |                                     |                                |                |
|                       | 36           | AU-B-34025/93  | 08-17-1995       |                                     |                                |                |
|                       | 37           | AU-20891/91,   | 10-01-1997       |                                     |                                |                |
|                       | 38           | AU-20891/97,   | 10-01-1997       |                                     |                                |                |
|                       | 39           | AU-729454,   | 02-01-2001       |                                     |                                |                |
|                       | 40           | EP-0426195 B1  | 10-17-2001       |                                     |                                |                |
|                       | 41           | EP-0458367 B1  | 10-17-2001       |                                     |                                |                |
|                       | 42           | EP-0223399, .  | 05-05-1987       |                                     |                                |                |
|                       | 43           | EP-0240208,  | 10-07-1987       |                                     |                                |                |
|                       | 44           | EP-0467349   | 01-22-1992       |                                     |                                |                |
|                       | 45           | EP-0522880   | 01-13-1993       |                                     |                                |                |
|                       | 46           | EP-0647715   | 04-12-1995       |                                     |                                |                |
|                       | 47           | EP-0779364   | 06-18-1997       |                                     |                                |                |
|                       | 48           | WO 2003/076619 A1  | 09-18-2003       |                                     |                                |                |
|                       | 49           | WO 89/05852  | 06-29-1989       |                                     |                                |                |
|                       | 50           | WO 89/10396  | 11-02-1989       |                                     |                                |                |
|                       | 51           | WO 91/02069  | 02-21-1991       |                                     |                                |                |
|                       | 52           | WO 91/16426  | 10-31-1991       |                                     |                                |                |
|                       | 53           | WO 91/16440  | 10-31-1991       |                                     |                                |                |
|                       | 54           | WO 92/04456  | 03-19-1992       |                                     |                                |                |
|                       | 55           | WO 92/11375  | 07-09-1992       |                                     |                                |                |
|                       |              |  | •                |                                     |                                |                |

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|                       |              | ION DISCLOSU                                   |  | T                              | First Named Inventor               | Michael Wayne<br>Graham      |                |
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|                       |              |  |  |                                | Examiner Name                      | Whiteman, B.                 | -              |
|                       |              |  |  |                                | Attorney Docket No.                | 0687/74768-B<br>US/JPW/GJG/M |                |
|                       |              |  | FOREIGN F  | ATENT DOCUME                   | ENTS                               | **                           |                |
| Examiner<br>Initials* | Cite<br>No.1 | Foreign Pate<br>Country Code <sup>3</sup> Numb | ent Document<br>er <sup>4</sup> Kind Code <sup>5 (if known</sup> | Publication Date<br>MM-DD-YYYY | Name of Pate<br>Applicant of Cited |                              | T <sup>6</sup> |
|                       | 56           | WO 92  | /11376   | 07-09-1992                     |                                    |                              |                |
|                       | 57           | WO 92  | /17596   | 10-15-1992                     |                                    |                              |                |
|                       | 58           | WO 92  | /18625   | 10-09-1997                     |                                    |                              |                |
|                       | 59           | WO 92  | /21757   | 12-10-1992                     |                                    |                              |                |
|                       | 60           | WO 93  | /05159   | 03-18-1993                     |                                    |                              |                |
|                       | 61           | WO 93  | /10251   | 05-27-1993                     |                                    |                              |                |
|                       | 62           |  | /01550<br>  version)   | 01-20-1994                     |                                    |                              |                |
|                       | 63           | WO 94  | /09143   | 04-28-1994                     |                                    |                              |                |
|                       | 64           | WO 94  | /17194   | 08-04-1994                     |                                    |                              |                |
|                       | 65           | WO 94  | /18337   | 08-18-1994                     |                                    |                              |                |
|                       | 66           | WO 94  | /29465   | 12-22-1994                     |                                    |                              |                |
|                       | 67           | WO 95  | /07993   | 03-23-1995                     |                                    |                              |                |
|                       | 68           | WO 95  | /09920   | 04-13-1995                     |                                    |                              |                |
|                       | 69           | WO 95  | /15394   | 06-08-1995                     |                                    |                              | 1              |
|                       | 70           | · ·  | 1170 Al version)   | 03-27-1997                     |                                    |                              |                |
|                       | 71           | WO 97  | /16559   | 05-09-1997                     |                                    |                              |                |
|                       | 72           | WO 97  | /44460   | 11-27-1997                     |                                    |                              | 1              |
|                       | 73           | WO 99  | /29879   | 06-17-1999                     |                                    |                              |                |
|                       | 74           | WO 99  | /61632   | 12-02-1999                     | <u> </u>                           |                              |                |
|                       | 75           | WO 97.   | /13865   | 04-17-1997                     |                                    |                              |                |
|                       |              |  |  |                                |                                    |                              | 1              |

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|                       |               |                                  | NON PATENT LITERATURE DO   | CUMENTS                                   |                                    |                |
| Examiner<br>Initials* | Cite<br>No.1  |                                  | author (in CAPITAL LETTERS), title of a nal, serial, symposium, catalog, etc.) date, and/or country where pu | page(s), volume-issue numbe               | -,,                                | T <sup>2</sup> |
|                       | 76            | 2002 (U.S. Ser                   | nistory for U.S. Patent No.<br>ial No. 09/373,720, filed A<br>Ming-Bo Wang);                                 |   |                                    |                |
|                       |               | 10/152,808, fi<br>Wang), includi | . 7,138,565 B2, issued Nove<br>led May 23, 2002; Peter Mic<br>ng complete file history;                      | hael Waterhouse and                       | d Ming-Bo                          | •              |
|                       | 78            |                                  | itted April 7, 2006 in conn<br>led May 23, 2002;   | ection with U.S. So                       | erial No.                          |                |
|                       | 79            |                                  | itted July 13, 2005, includ<br>n U.S. Serial No. 10/152,80   |   |                                    |                |
|                       | 80            |                                  | itted October 22, 2004 in c<br>led May 23, 2002;   | onnection with U.S                        | . Serial No.                       |                |
|                       | 81            | Allowance issu                   | wability, including Examine d July 11, 2006 in connect led May 23, 2002;                                     |   |                                    |                |
|                       | 82            | Office Action                    | issued January 13, 2005 in<br>, filed May 23, 2002;  | connection with U.                        | S. Serial                          |                |
|                       | 83            |                                  | issued October 7, 2005 in c<br>led May 23, 2002;   | onnection with U.S                        | . Serial No.                       |                |
|                       | 84            |                                  | issued September 22, 2004 i<br>, filed May 23, 2002;   | n connection with                         | U.S. Serial                        |                |
|                       | 85            |                                  | endment submitted May 23, 2<br>152,808, filed May 23, 2002   |   | with U.S.                          |                |
|                       |               | (U.S. Serial N<br>Waterhouse and | olication No. 2007-0056057<br>o. 11/593,056, filed Novemb<br>Ming-Bo Wang), including c                      | er 6, 2006; Peter I<br>omplete file histo | Michael<br>ry;                     |                |
|                       | 87            |                                  | itted June 12, 2008 in conn<br>led November 6, 2006;   | ection with U.S. So                       | erial No.                          |                |
| EXAMINEI<br>SIGNATUR  |               |                                  | DATE CONSIDERED  |   |                                    |                |

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|                       |                |  | NON PATENT  | LITERATURE DOCU  | MENTS   |  |                |
| Examiner<br>Initials* | No.1           | (book, magazine, jour  | nal, serial, symposii<br>ar   | L LETTERS), title of the<br>um, catalog, etc.) date, pag<br>nd/or country where publi  | e(s), volume-issue numbe<br>shed.   | er(s), publisher, city   | T <sup>2</sup> |
|                       | 88             |  | submitted Sep   | tember 21, 2007<br>d November 6, 20  | in connection wi  | th U.S.  |                |
|                       |                | Office Action :<br>No. 11/593,056  |   | per 12, 2007 in comber 6, 2006;  | onnection with U  | .S. Serial   |                |
|                       | 90             | Office Action 11/593,056, file   |   | 4, 2007 in conne<br>6, 2006;   | ction with U.S.   | Serial No.   |                |
|                       | 91             | Office Action :<br>No. 11/593,056  |   | ber 12, 2008 in ober 6, 2006;  | connection with   | U.S. Serial  |                |
|                       | 92             |  |   | tted November 6,<br>filed November   |   | ion with   |                |
|                       | 93             | 2005 (U.S. Ser   |   | No. 2005/0251877   |   | vember 10,   |                |
| i                     |                | waternouse and   |   | ), including com   |   | r Michael  |                |
|                       | 94             |  | Ming-Bo Wang<br>n issued June   | ), including comp<br>6, 2008 in conn   | plete file histo  | r Michael<br>ry;   |                |
|                       |                | Advisory Action<br>11/179,504, fi  | Ming-Bo Wang<br>n issued June<br>led July 13,<br>n issued June  | n), including comp<br>6, 2008 in conn<br>2005;   | plete file histo<br>ection with U.S.  | r Michael<br>ry;<br>Serial No.                                       |                |
|                       | 95             | Advisory Action 11/179,504, find Advisory Action 11/179,504, find Amendment subm   | Ming-Bo Wang<br>n issued June<br>led July 13,<br>n issued June<br>led July 13,<br>itted Februar   | n), including comp<br>6, 2008 in conn<br>2005;   | plete file histo ection with U.S. ection with U.S.  | r Michael<br>ry;<br>Serial No.<br>Serial No.                         |                |
|                       | 95<br>96       | Advisory Action<br>11/179,504, find<br>Advisory Action<br>11/179,504, find<br>Amendment submands. 11/179,504   | Ming-Bo Wang<br>n issued June<br>led July 13,<br>n issued June<br>led July 13,<br>itted Februar<br>, filed July<br>itted Februar                                  | (y), including composed 6, 2008 in connection 2005; (e) 6, 2008 in connection 2005; (f) 15, 2008 in connection 2005, including 2005, including 28, 2007 in connection 2005.  | plete file histo ection with U.S. ection with U.S. nnection with U. ing Exhibit A;                                  | r Michael ry; Serial No. Serial No.                                  |                |
|                       | 95<br>96<br>97 | Advisory Action 11/179,504, find Advisory Action 11/179,504, find Amendment subm. No. 11/179,504  Amendment subm. No. 11/179,504                                 | Ming-Bo Wang n issued June led July 13, n issued June led July 13, itted Februar , filed July itted Februar , filed July itted October                            | (y), including composed (c), 2008 in connection (c), 2005; (e) 6, 2008 in connection (c), 2005; (f) 15, 2008 in connection (c), 2005, including (c), 2005; (f) 18, 2007 in connection (c), 2005; (f) 18, 2007 in connection (c), 2005; | plete file histo ection with U.S. ection with U.S. nnection with U. ing Exhibit A; nnection with U.                 | r Michael ry; Serial No. Serial No. S. Serial S. Serial              |                |
|                       | 95<br>96<br>97 | Advisory Action 11/179,504, find Advisory Action 11/179,504, find Amendment subm. No. 11/179,504  Amendment subm. No. 11/179,504  Amendment subm. No. 11/179,504 | Ming-Bo Wang n issued June led July 13, n issued June led July 13, itted Februar , filed July itted Februar , filed July itted October led July 13, itted Septemb | g), including come 6, 2008 in conne 2005; e 6, 2008 in conne 2005; e 6, 2008 in conne 2005; e 7, 2008 in conne 2005; e 18, 2007 in con 2005; e 18, 2007 in con 2005; e 2, 2008 in conne 2005;  | plete file histo ection with U.S. ection with U.S. nnection with U. ing Exhibit A; nnection with U. nection with U. | r Michael ry; Serial No. Serial No. S. Serial S. Serial . Serial No. |                |

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|                      |               |   | Patent and Trademark Of  | ffice Filing Date                               | August 22, 2003                    |
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|                      |               |   | NON PATENT LITERATUR   | E DOCUMENTS                                     |                                    |
| Examiner<br>Initials | Cite<br>No.1  |   | author (in CAPITAL LETTERS), ti<br>nal, serial, symposium, catalog, etc.)<br>and/or country wh | date, page(s), volume-issue numb                |                                    |
| -                    | 100           | Amendment, incl<br>connection with                    | luding Exhibits A and B<br>n U.S. Serial No. 11/17   | submitted May 21, 200                           | 08 in<br>2005;                     |
|                      | 101           |   | submitted September 2, 179,504, filed July 13,   |   | th U.S.                            |
|                      | 102           |   | ary for February 1, 200<br>11/179,504, filed Jul   |   | cion with                          |
| -                    | 103           |   | Issued April 18, 2007 i<br>Led July 13, 2005;  | n connection with U.S.                          | Serial No.                         |
|                      |               |   | ssued December 20, 200 filed July 13, 2005;  | 7 in connection with (                          | J.S. Serial                        |
|                      |               |   | ssued January 30, 2007<br>filed July 13, 2005;   | in connection with U.                           | S. Serial                          |
|                      | 106           |   | issued July 30, 2008 in<br>led July 13, 2005;  | connection with U.S.                            | Serial No.                         |
|                      | 107           |   | ssued March 21, 2008 i<br>led July 13, 2005;   | n connection with U.S.                          | Serial No.                         |
|                      |               |   | issued November 10, 200<br>filed July 13, 2005;  | 8 in connection with (                          | J.S. Serial                        |
|                      | 109           |   | endment submitted July 179,504, filed July 13,   |   | n with U.S.                        |
|                      | 110           | (U.S. Serial No                                       | Application No. 2003/0<br>b. 09/997,905, filed No<br>ert Norman Rice), inclu-                  | vember 30, 2001; Micha                          | ael Wayne                          |
|                      | ļ             | Complete file P<br>Serial No. 09/1<br>Robert Norman B | nistory of U.S. Patent<br>100,812, filed June 19,<br>Rice);                                    | No. 6,573,099, June 3,<br>1998; Michael Wayne ( | 2003 (U.S.<br>Graham and           |
|                      |               | <del></del>   |  |   |                                    |

| Form P                | ГО-1         | 449 (Substitute)   | U.S. Department of Commer   |                               | 10/646,070                        |                |
|-----------------------|--------------|--------------------|---|-------------------------------|-----------------------------------|----------------|
|                       |              |                    | Patent and Trademark Offic  | e<br>Filing Date              | August 22, 2003                   | 3              |
| INFOR                 | MAT          | ION DISCLOSU       | RE STATEMENT  | First Named Inventor          | Michael Wayne<br>Graham           |                |
| (Use sev              | eral :       | sheets if necessar | y)  | Art Unit                      | 1635                              |                |
|                       |              |                    |   | Examiner Name                 | Whiteman, B.                      |                |
|                       |              |                    |   | Attorney Docket No.           | 0687/74768-BA-E<br>US/JPW/GJG/MJP |                |
|                       |              |                    | NON PATENT LITERATURE D   | OCUMENTS                      |                                   |                |
| Examiner<br>Initials* | Cite<br>No.1 |                    | author (in CAPITAL LETTERS), title on nal, serial, symposium, catalog, etc.) dat and/or country where | e, page(s), volume-issue numb | ,,                                | T <sup>2</sup> |
|                       |              |                    | n issued February 15, 2002<br>, filed June 19, 1998;  |                               | U.S. Serial                       |                |
|                       | 113          |                    | itted April 29, 2002 in co<br>led June 19, 1998;  | onnection with U.S.           | Serial No.                        |                |
|                       |              |                    | itted November 10, 2000 in, filed June 19, 1998;  | connection with U.            | S. Serial                         |                |
|                       |              |                    | itted November 12, 2001 in<br>, filed June 19, 1998;  | n connection with U.          | S. Serial                         |                |
|                       | 116          |                    | itted October 17, 2002 in led June 19, 1998;  | connection with U.S           | . Serial No.                      |                |
|                       |              |                    | itted September 26, 2002 i<br>, filed June 19, 1998;  | in connection with U          | .S. Serial                        |                |
|                       |              |                    | submitted April 3, 2000 ir<br>, filed June 19, 1998;  | connection with U.            | S. Serial                         |                |
|                       | 119          |                    | Kenneth Clifford Reed sub<br>n U.S. Serial No. 09/100,8   |                               |                                   | •              |
| -                     | 120          |                    | Michael Wayne Graham subm<br>h U.S. Serial No. 09/100,8   |                               |                                   |                |
|                       | 121          |                    | Michael Wayne Graham subm<br>h U.S. Serial No. 09/100,8   |                               |                                   |                |
|                       | 122          |                    | ary issued January 11, 200<br>100,812, filed June 19, 19  |                               | h U.S.                            |                |
|                       | 123          |                    | ary issued September 18, 2<br>100,812, filed June 19, 19  |                               | ith U.S.                          |                |
| EXAMINE               | <b>└</b>     | l                  | DATE CONSIDEREI   |                               |                                   |                |

<sup>\*</sup>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'Applicant is to place a checkmark here if English language Translation is attached.

| Form P               | r <b>O-</b> 1 | 449 (Substitute)                   | U.S. Department of Commerce  | Application Number                  | 10/646,070                         |
|----------------------|---------------|------------------------------------|--|-------------------------------------|------------------------------------|
|                      |               |                                    | Patent and Trademark Office  | Filing Date                         | August 22, 2003                    |
|                      |               |                                    | RE STATEMENT   | First Named Inventor                | Michael Wayne<br>Graham            |
| (Use sev             | eral          | sheets if necessar                 | <b>(1)</b>   | Art Unit                            | 1635                               |
|                      |               |                                    |  | Examiner Name                       | Whiteman, B.                       |
|                      |               |                                    |  | Attorney Docket No.                 | 0687/74768-BA-PC<br>US/JPW/GJG/MJP |
|                      |               |                                    | NON PATENT LITERATURE DOC  | CUMENTS                             |                                    |
| Examiner<br>Initials | Cite<br>No.1  |                                    | author (in CAPITAL LETTERS), title of t<br>nal, serial, symposium, catalog, etc.) date, p<br>and/or country where pu | page(s), volume-issue numbe         |                                    |
|                      |               | Statement of Reconnection with     | ability, including Examiner<br>asons for Allowance issued<br>u U.S. Serial No. 09/100,812                            | November 20, 2002<br>filed June 19, | in<br>1998;                        |
|                      | •             | No. 09/100,812,                    | ssued December 2, 1999 in of filed June 19, 1998;  |                                     |                                    |
|                      |               | No. 09/100,812,                    | ssued February 12, 2001 in filed June 19, 1998;  |                                     |                                    |
|                      | 127           |                                    | ssued May 10, 2000 in conne<br>ed June 19, 1998;   | ection with U.S. S                  | erial No.                          |
|                      |               | Al, published A<br>January 17, 200 | nistory for U.S. Published A<br>August 21, 2003 (U.S. Serial<br>33; Michael Wayne Graham and                         | No. 10/346,853,<br>Robert Norman Ri | filed<br>ce);                      |
|                      |               | 2009 in connect<br>2003;           | Request for Continued Examiration with U.S. Serial No. 10  | )/346,853, filed J                  | anuary 17,                         |
|                      |               |                                    | tted April 16, 2008 in conred January 17, 2003;  | nection with U.S.                   | Serial No.                         |
|                      |               |                                    | tted December 27, 2006 in c<br>filed January 17, 2003;   | connection with U.                  | S. Serial                          |
|                      |               |                                    | tted February 22, 2007, in filed January 17, 2003;   | connection with U                   | .S. Serial                         |
|                      | 133           |                                    | tted January 17, 2003 in co.ed January 17, 2003;   | onnection with U.S                  | . Serial No.                       |
|                      | 134           |                                    | tted March 25, 2003 in conred January 17, 2003;  | nection with U.S.                   | Serial No.                         |
|                      | 135           |                                    | tted October 17, 2007 in co.ed January 17, 2003;   | onnection with U.S                  | . Serial No.                       |
| EXAMINER<br>SIGNATUR |               |                                    | DATE CONSIDERED  |                                     |                                    |

| Form P                | Γ <b>O-</b> 1 | 449 (Substitute)                          | U.S. Department of Commerc  |  | 10/646,070                        |                |
|-----------------------|---------------|---|---|--|-----------------------------------|----------------|
|                       |               |   | Patent and Trademark Office   | Filing Date                                | August 22, 2003                   | 3              |
|                       |               |   | RE STATEMENT  | First Named Inventor                       | Michael Wayne<br>Graham           |                |
| (Use sev              | eral :        | sheets if necessar                        | y)  | Art Unit                                   | 1635                              |                |
|                       |               |   |   | Examiner Name                              | Whiteman, B.                      |                |
|                       |               |   |   | Attorney Docket No.                        | 0687/74768-BA-P<br>US/JPW/GJG/MJP | CT-            |
| ····                  |               |   | NON PATENT LITERATURE DO  | CUMENTS                                    |                                   |                |
| Examiner<br>Initials* | Cite<br>No.1  | Include name of the (book, magazine, jour | author (in CAPITAL LETTERS), title of<br>nal, serial, symposium, catalog, etc.) date,<br>and/or country where p | page(s), volume-issue numbe                |                                   | T <sup>2</sup> |
|                       |               |   | submitted August 2, 2005 in filed January 17, 2003;   |  | .S. Serial                        |                |
|                       |               | July 27, 2004 :<br>January 17, 200        |   | rial No. 10/346,853                        | , filed                           |                |
|                       |               |   | ary issued December 11, 200<br>346,853, filed January 17,   |  | th U.S.                           |                |
| ·                     |               |   | oper Request for Continued<br>tion with U.S. Serial No. 1   |  |                                   |                |
|                       | 140           | Office Action :<br>10/346,853, fil        | issued April 17, 2007 in colled January 17, 2003;   | onnection with U.S.                        | Serial No.                        |                |
|                       |               |   | issued January 16, 2008 in filed January 17, 2003;  | connection with U.                         | S. Serial                         |                |
|                       |               |   | issued July 22, 2005 in con<br>Led January 17, 2003;  | nnection with U.S.                         | Serial No.                        |                |
|                       | 143           | Office Action :<br>10/346,853, fi         | issued July 7, 2008 in conr<br>led January 17, 2003;  | ection with U.S. So                        | erial No.                         |                |
|                       | 144           | Office Action :<br>10/346,853, fil        | issued June 27, 2006 in cor<br>led January 17, 2003;  | nection with U.S.                          | Serial No.                        |                |
|                       |               | 1.78(a)(3) subr                           | nintentionally Delayed Clai<br>mitted December 27, 2006 in<br>filed January 17, 2003;                           | m of Priority unde<br>connection with U    | r 37 CFR §<br>.S. Serial          |                |
|                       | 146           | Petition to Mal                           | ke Special Under 37 CFR 1.1<br>with U.S. Serial No. 10/346  | .02(d) submitted Ju<br>5,853, filed Januar | ly 27, 2004<br>y 17, 2003;        |                |
| ····                  | 147           | Request for Cor<br>connection with        | ntinued Examination submitt<br>n U.S. Serial No. 10/346,85  | ed October 7, 2008<br>3, filed January 1   | in<br>7, 2003;                    |                |
| EXAMINER              | <u> </u>      |   | DATE CONSIDERED   |  | <u> </u>                          |                |

<sup>\*</sup>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a checkmark here if English language Translation is attached.

| Form P1               | <b>O-1</b>   | 449 (Substitute)                          | U.S. Department of Commerc   | 1  | 10/646,070                                    |
|-----------------------|--------------|---|--|--|---|
|                       |              |   | Patent and Trademark Office  | Filing Date                              | August 22, 2003                               |
| NFORM                 | ИАТ          | ION DISCLOSU                              | RE STATEMENT   | First Named Inventor                     | Michael Wayne<br>Graham                       |
| Use sev               | eral s       | sheets if necessar                        | y)   | Art Unit                                 | 1635  |
|                       |              |   |  | Examiner Name                            | Whiteman, B.                                  |
|                       |              |   |  | Attorney Docket No.                      | 0687/74768-BA-PC'<br>US/JPW/GJG/MJP           |
|                       |              |   | NON PATENT LITERATURE DO   | CUMENTS                                  |   |
| Examiner<br>Initials* | Cite<br>No.1 | Include name of the (book, magazine, jour | author (in CAPITAL LETTERS), title of<br>nal, serial, symposium, catalog, etc.) date<br>and/or country where p | , page(s), volume-issue numb             | te), title of the item er(s), publisher, city |
|                       |              | Al, pub. Septer                           | history for U.S. Published<br>mber 16, 2004 (U.S. Serial<br>ael Wayne Graham and Robert                        | Application No. 20<br>No. 10/759,841, fi |   |
|                       | 149          | Amendment subm                            | itted April 15, 2008 in cor<br>led January 15, 2004;   |  | Serial No.                                    |
|                       |              |   | itted December 29, 2006 in filed January 15, 2004;   | connection with U.                       | S. Serial                                     |
|                       |              |   | itted February 21, 2007, ir, filed January 15, 2004;   | connection with U                        | J.S. Serial                                   |
| **                    |              |   | itted October 25, 2007 in oled January 15, 2004;   | connection with U.S                      | . Serial No.                                  |
|                       |              |   | itted October 31, 2006 in o<br>led January 15, 2004;   | connection with U.S                      | S. Serial No.                                 |
|                       | 154          |   | itted October 9, 2008 in co<br>led January 15, 2004;   | onnection with U.S.                      | Serial No.                                    |
|                       |              |   | ary for December 22, 2008 in filed January 15, 2004;   | in connection with                       | U.S. Serial                                   |
|                       | 156          |   | ary for February 12, 2009 1<br>. 10/759,841, filed January   |  | tion with                                     |
|                       | 157          | Interview Summ<br>Serial No. 10/          | ary issued December 11, 200<br>759,841, filed January 15,  | 7 in connection wi<br>2004;              | th U.S.                                       |
|                       |              |   | issued April 25, 2007 in co<br>led January 15, 2004;   | onnection with U.S.                      | Serial No.                                    |
|                       |              |   | issued January 22, 2009 in , filed January 15, 2004;   | connection with U.                       | S. Serial                                     |
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| Form P                            | Γ <b>O</b> -1 | 449 (Substitute)   | U.S. Department of Comme   | 1                               | 10/646,070                          |
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|                                   |               |                    | Patent and Trademark Office  | ce<br>Filing Date               | August 22, 2003                     |
| INFORM                            | МАТ           | ION DISCLOSU       | RE STATEMENT   | First Named Inventor            | Michael Wayne<br>Graham             |
| (Use sev                          | eral :        | sheets if necessar | y)   | Art Unit                        | 1635                                |
|                                   |               |                    |  | Examiner Name                   | Whiteman, B.                        |
|                                   |               |                    |  | Attorney Docket No.             | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP |
|                                   |               |                    | NON PATENT LITERATURE  | DOCUMENTS                       |                                     |
| Examiner<br>Initials <sup>*</sup> | Cite<br>No.1  |                    | author (in CAPITAL LETTERS), title<br>nal, serial, symposium, catalog, etc.) da<br>and/or country wher | ate, page(s), volume-issue numb |                                     |
|                                   | 160           |                    | issued January 6, 2009 in<br>led January 15, 2004;   |                                 | S. Serial No.                       |
|                                   | 161           |                    | issued January 8, 2008 in<br>led January 15, 2004;   | connection with U.S             | S. Serial No.                       |
|                                   | 162           |                    | issued July 31, 2006 in c<br>led January 15, 2004;   | connection with U.S.            | Serial No.                          |
|                                   | 163           |                    | issued July 9, 2008 in co<br>led January 15, 2004;   | onnection with U.S. S           | Serial No.                          |
|                                   |               |                    | issued November 29, 2006, filed January 15, 2004;  |                                 | J.S. Serial                         |
|                                   | 165           |                    | endment submitted January<br>. 10/759,841, filed Janua   |                                 | cion with .                         |
|                                   |               | Al, published      | history for U.S. Publishe<br>December 30, 2004 (U.S. S<br>Michael Wayne Graham et                      | Serial No. 10/821,726           |                                     |
|                                   | 167           | Amendment and      | Request for Continued Exa<br>tion with U.S. Serial No.   | amination Submitted S           |                                     |
|                                   | 168           |                    | itted August 2, 2007 in c<br>led April 8, 2004;  | connection with U.S.            | Serial No.                          |
|                                   |               |                    | itted December 14, 2006 i<br>, filed April 8, 2004;  | n connection with U.            | S. Serial                           |
|                                   | 170           |                    | itted May 4, 2009 in conn<br>led April 8, 2004;  | nection with U.S. Ser           | rial No.                            |
| 0(1                               |               |                    | itted November 14, 2005 i<br>, filed April 8, 2004;  | n connection with U.            | S. Serial                           |
| EXAMINEI<br>SIGNATUR              |               |                    | DATE CONSIDERE   | :<br>ED                         |                                     |

| Form P7              | r <b>O-1</b> | 449 (Substitute)                  | U.S. Department of Commerce   | e Application Number                | 10/646,070                        |                |
|----------------------|--------------|-----------------------------------|---|-------------------------------------|-----------------------------------|----------------|
|                      |              |                                   | Patent and Trademark Office   | Filing Date                         | August 22, 2003                   | 3              |
| INFORM               | ИАТ          | ION DISCLOSU                      | RE STATEMENT  | First Named Inventor                | Michael Wayne<br>Graham           |                |
| (Use sev             | eral :       | sheets if necessar                | y)  | Art Unit                            | 1635                              |                |
|                      |              |                                   |   | Examiner Name                       | Whiteman, B.                      |                |
|                      |              |                                   |   | Attorney Docket No.                 | 0687/74768-BA-E<br>US/JPW/GJG/MJP | PCT            |
|                      |              |                                   | NON PATENT LITERATURE DO  | CUMENTS                             |                                   |                |
| Examiner<br>Initials | Cite<br>No.1 |                                   | author (in CAPITAL LETTERS), title of<br>nal, serial, symposium, catalog, etc.) date,<br>and/or country where p | page(s), volume-issue numbe         |                                   | T <sup>2</sup> |
|                      |              |                                   | itted November 30, 2006 in filed April 8, 2004;   |                                     | S. Serial                         |                |
|                      |              |                                   | itted October 31, 2007 in c<br>led April 8, 2004;   | connection with U.S                 | . Serial No.                      |                |
|                      | 174          |                                   | luding Exhibits A to C subm<br>n U.S. Serial No. 10/821,72  |                                     |                                   |                |
|                      |              |                                   | issued April 2, 2007 in con<br>led April 8, 2004;   | nection with U.S.                   | Serial No.                        |                |
|                      |              |                                   | cition to Make Special Undennection with U.S. Serial N  |                                     |                                   |                |
|                      |              |                                   | issued May 30, 2006 in conn<br>led April 8, 2004;   | ection with U.S. S                  | erial No.                         |                |
|                      |              |                                   | issued November 3, 2008 in filed April 8, 2004;   | connection with U.                  | S. Serial                         |                |
|                      |              |                                   | issued November 6, 2007 in filed April 8, 2004;   | connection with U.                  | S. Serial                         |                |
|                      | 180          | Office Action :<br>No. 10/821,726 | issued October 14, 2005 in filed April 8, 2004;   | connection with U.                  | S. Serial                         |                |
|                      |              |                                   | issued September 2, 2008 in<br>filed April 8, 2004;   | connection with U                   | .S. Serial                        |                |
|                      | 182          | Petition to Mal                   | ke Special Under 37 CFR 1.1<br>with U.S. Serial No. 10/821  | 02(d) submitted Ju,726, filed April | ly 28, 2004<br>8, 2004;           |                |
|                      | 183          |                                   | endment submitted April 8,<br>321,726, filed April 8, 200   |                                     | with U.S.                         |                |
| EXAMINER<br>SIGNATUR |              |                                   | DATE CONSIDERED   |                                     |                                   |                |

| Form P                | Γ <b>O-1</b>             | 449 (Substitute)   | U.S. Department of Commerc   | 1   | 10/646,070                          |  |  |  |
|-----------------------|--------------------------|--|--|---|-------------------------------------|--|--|--|
|                       |                          |  | Patent and Trademark Office  | Filing Date                               | August 22, 2003                     |  |  |  |
| INFOR                 | ИАТ                      | ION DISCLOSU   | RE STATEMENT   | First Named Inventor                      | Michael Wayne<br>Graham             |  |  |  |
| (Use sev              | eral :                   | sheets if necessar   | y)   | Art Unit                                  | 1635                                |  |  |  |
|                       |                          |  |  | Examiner Name                             | Whiteman, B.                        |  |  |  |
|                       |                          |  |  | Attorney Docket No.                       | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP |  |  |  |
|                       |                          |  | NON PATENT LITERATURE DO   | OCUMENTS                                  |                                     |  |  |  |
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> |  | author (in CAPITAL LETTERS), title of<br>nal, serial, symposium, catalog, etc.) date<br>and/or country where p | , page(s), volume-issue numbe             |                                     |  |  |  |
|                       |                          |  | rect Inventorship Under 37<br>007 in connection with U.S   |   |                                     |  |  |  |
|                       |                          | Al, pub. Novemb  | history for U.S. Published<br>ber 10, 2005 (U.S. Serial M<br>Wayne Graham et al.);                             | Application No. 20<br>No. 11/180,928, fil | 05/0250208<br>ed July 13,           |  |  |  |
|                       |                          |  | itted December 22, 2006, in filed July 13, 2005;   | n connection with U                       | .S. Serial                          |  |  |  |
|                       | 187                      |  | itted June 6, 2008 in conne<br>led July 13, 2005;  | ection with U.S. Se                       | rial No.                            |  |  |  |
|                       | 188                      |  | itted October 17, 2007 in o<br>led July 13, 2005;  | connection with U.S                       | . Serial No.                        |  |  |  |
|                       | 189                      |  | submitted March 6, 2007 in<br>, filed July 13, 2005;   | connection with U.                        | S. Serial                           |  |  |  |
|                       | 190                      | Interview Summary issued December 11, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005; |  |   |                                     |  |  |  |
|                       | 191                      |  | issued April 17, 2007 in co<br>led July 13, 2005;  | onnection with U.S.                       | Serial No.                          |  |  |  |
|                       | 192                      |  | issued February 6, 2007 in<br>, filed July 13, 2005;   | connection with U.                        | S. Serial                           |  |  |  |
|                       | 193                      |  | issued January 8, 2008 in o<br>led July 13, 2005;  | connection with U.S                       | . Serial No.                        |  |  |  |
|                       |                          |  | issued October 31, 2006 in , filed July 13, 2005;  | connection with U.                        | S. Serial                           |  |  |  |
|                       | 195                      |  | endment submitted July 13, 180,928, filed July 13, 200   |   | with U.S.                           |  |  |  |
| EXAMINEF<br>SIGNATUR  |                          |  | DATE CONSIDERED  |   |                                     |  |  |  |

|                      | ГО-1         | 449 (Substitute) U.S. Department of Commerce   | Application Number                  | 10/646,070                          |
|----------------------|--------------|--|-------------------------------------|-------------------------------------|
|                      |              | Patent and Trademark Office  | Filing Date                         | August 22, 2003                     |
| INFOR                | MAT          | ION DISCLOSURE STATEMENT   | First Named Inventor                | Michael Wayne<br>Graham             |
| (Use sev             | eral         | sheets if necessary)   | Art Unit                            | 1635                                |
|                      |              |  | Examiner Name                       | Whiteman, B.                        |
|                      | _            |  | Attorney Docket No.                 | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP |
|                      |              | NON PATENT LITERATURE DOCU   | MENTS                               |                                     |
| Examiner<br>Initials | Cite<br>No.1 | 1 ,,   | e(s), volume-issue numbe            | **                                  |
|                      |              | Request to Correct Inventorship Under 37 C.117, 2007 in connection with U.S. Serial No. 2005.;   | F.R. §1.48(a) fi<br>11/180,928, fil | ed July 13,                         |
|                      |              | U.S. Published Application No. 2004/0237145<br>2004 (U.S. Serial No. 10/821,710, filed Apr<br>Graham et al.), including complete file his  | il 8, 2004; Mich                    | ael Wayne                           |
|                      | 198          | Advisory Action issued July 20, 2007 in com<br>10/821,710, filed April 8, 2004;  | nection with U.S                    | . Serial No.                        |
|                      | 199          | Advisory Action issued September 14, 2005 in<br>Serial No. 10/821,710, filed April 8, 2004;  | n connection wit                    | h U.S.                              |
|                      | 200          | Amendment submitted April 29, 2005 in connect 10/821,710, filed April 8, 2004;   | ction with U.S.                     | Serial No.                          |
|                      | 201          | Amendment submitted August 29, 2005 in conne<br>10/821,710, filed April 8, 2004;   | ection with U.S.                    | Serial No.                          |
| j                    | 202          | Amendment submitted December 15, 2004 in co<br>No. 10/821,710, filed April 8, 2004;  | nnection with U.                    | S. Serial                           |
|                      | 203          | Amendment submitted February 7, 2008 in cont<br>10/821,710, filed April 8, 2004;   | nection with U.S                    | . Serial No.                        |
|                      | 204          | Amendment submitted July 12, 2007 in connec  | tion with H S S                     |                                     |
|                      |              | 10/821,710, filed April 8, 2004;   | cion with 0.5. 5                    | erial No.                           |
|                      | 205          | 10/821,710, filed April 8, 2004; Amendment submitted July 25, 2007 in connect 10/821,710, filed April 8, 2004;   |                                     |                                     |
|                      |              | Amendment submitted July 25, 2007 in connect   | tion with U.S. S                    | erial No.                           |
|                      | 206          | Amendment submitted July 25, 2007 in connect 10/821,710, filed April 8, 2004;  Amendment submitted November 20, 2006 in connect to the submitted November 20, 20 | tion with U.S. S                    | erial No.<br>S. Serial              |

| Form P1              | <b>'O-1</b>              | 449 (Substitute)                   | _                           |  | Application Number      | 10/646,070                       |                |
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|                      |                          |                                    | Patent and Tr               | ademark Office   | Filing Date             | August 22, 200                   | 03 .           |
|                      |                          | ION DISCLOSU                       |                             | ENT  | First Named Inventor    | Michael Wayne<br>Graham          |                |
| (Use sev             | eral s                   | sheets if necessary                | <b>y</b> )                  |  | Art Unit                | 1635                             |                |
|                      |                          |                                    |                             |  | Examiner Name           | Whiteman, B.                     |                |
|                      |                          |                                    |                             |  | Attorney Docket No.     | 0687/74768-BA-<br>US/JPW/GJG/MJI |                |
|                      |                          | ·                                  | NON PATENT                  | LITERATURE DOCU  | MENTS                   |                                  |                |
| Examiner<br>Initials | Cite<br>No. <sup>1</sup> |                                    | nal, serial, symposit       | L LETTERS), title of the a<br>um, catalog, etc.) date, page<br>d/or country where publis | (s), volume-issue numbe |                                  | T <sup>2</sup> |
|                      |                          | July 23, 2004 i<br>April 8, 2004;  | n connection                | e Special Under 3<br>with U.S. Serial  | No. 10/821,710          | , filed                          |                |
|                      |                          | Serial No. 10/8                    | 321,710, file               | vember 6, 2006 in<br>d April 8, 2004 ;   |                         |                                  |                |
|                      |                          |                                    |                             | d December 15, 20<br>d April 8, 2004;  | 08 in connection        | n with U.S.                      |                |
|                      |                          | Office Action i<br>10/821,710, fil |                             | 17, 2008 in conne<br>2004;   | ction with U.S.         | Serial No.                       |                |
|                      |                          | Office Action in 10/821,710, file  |                             | 7, 2007 in conne<br>2004;  | ction with U.S.         | Serial No.                       |                |
|                      | 213                      | Office Action i<br>No. 10/821,710, | ssued Februa<br>filed April | ry 11, 2005 in co<br>8, 2004;  | nnection with U         | .S. Serial                       |                |
|                      |                          | Office Action in No. 10/821,710,   |                             | ry 8, 2005 in con<br>8, 2004;  | nection with U.S        | S. Serial                        |                |
|                      |                          | Office Action in No. 10/821,710,   |                             | y 12, 2007 in con<br>8, 2004;  | nection with U.S        | S. Serial                        |                |
|                      |                          | Office Action i<br>10/821,710, fil |                             | 9, 2006 in connec<br>2004;   | tion with U.S. S        | Serial No.                       |                |
|                      |                          | 10/821,710, fil                    | ed April 8,                 |  |                         |                                  |                |
|                      |                          | No. 10/821,710,                    | filed April                 |  |                         |                                  |                |
|                      | 219                      |                                    |                             | der 37 CFR 1.102(<br>ial No. 10/821,71   |                         |                                  |                |
| EXAMINER             |                          |                                    |                             | DATE CONSIDERED  |                         |                                  |                |

| Form P               | ГО-1         | 449 (Substitute)                                      | <del>-</del>                           |   | Application Number                    | 10/646,070                        |                |
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|                      |              |   | Patent and Ti                          | ademark Office  | Filing Date                           | August 22, 2003                   | 3              |
| INFOR                | МАТ          | ION DISCLOSU  | RE STATEMI                             | ENT   | First Named Inventor                  | Michael Wayne<br>Graham           |                |
| (Use sev             | eral         | sheets if necessar                                    | y)                                     |   | Art Unit                              | 1635                              |                |
|                      |              |   |  |   | Examiner Name                         | Whiteman, B.                      |                |
|                      |              |   |  |   | Attorney Docket No.                   | 0687/74768-BA-P<br>US/JPW/GJG/MJP | PCT            |
|                      |              |   | NON PATENT                             | LITERATURE DOCU   | <b>IMENTS</b>                         |                                   |                |
| Examiner<br>Initials | Cite<br>No.1 | (book, magazine, jour                                 | nal, serial, symposio<br>ar            | ım, catalog, etc.) date, paş<br>ıd/or country where publi |                                       | r(s), publisher, city             | T <sup>2</sup> |
|                      | 220          |   |  | tted December 21 filed April 8,                           | , 2005 in connect<br>2004.;           | tion with                         |                |
|                      |              | December 12, 20<br>April 8, 2004;                     | 007 in connec                          | tion with U.S. S  | F.R. §1.48(a) suberial No. 10/821,    | ,710, filed                       |                |
|                      |              | published Janua<br>2, 2005; Michae                    | ary 19, 2006<br>el Wayne Grah          | (U.S. Serial No. am et al.);                              | plication No. 200<br>11/218,999, file | ed September                      |                |
|                      | 223          | Amendment submi<br>No. 11/218,999,                    | tted Februar<br>filed Septe            | y 19, 2008 in co<br>mber 2, 2005;                         | nnection with U.S                     | S. Serial                         |                |
|                      | 224          | Amendment submi<br>11/218,999, fil                    |  |   | tion with U.S. Se                     | erial No.                         |                |
|                      | 225          | Amendment submi<br>11/218,999, fil                    | tted March 3<br>ed September           | 0, 2009 in conne<br>2, 2005;                              | ction with U.S. S                     | Serial No.                        |                |
|                      | 226          | Amendment submi<br>11/218,999, fil                    |  |   | nection with U.S.                     | . Serial No.                      |                |
|                      | 227          | Office Action i<br>11/218,999, fil                    |  |   | tion with U.S. Se                     | erial No.                         |                |
|                      | 228          | Office Action i<br>No. 11/218,999,                    | ssued Septem<br>filed Septe            | ber 17, 2007 in<br>mber 2, 2005;                          | connection with t                     | J.S. Serial                       |                |
|                      |              | Office Action i<br>No. 11/218,999,                    |  |   | connection with (                     | J.S. Serial                       |                |
|                      |              | Under 37 C.F.R.<br>Disclosure Stat<br>U.S. Serial No. | \$1.53, Submitement submit 11/218,999, | ission of Sequen<br>ted September 2,<br>filed September   |                                       | nformation<br>ion with            |                |
| ,                    | 231          | Request to Corr<br>October 31, 200<br>September 2, 20 | 7 in connect                           | ship Under 37 C. ion with U.S. Se                         | F.R. §1.48(a) subrial No. 11/218,9    | omitted<br>999, filed             |                |
| EXAMINER<br>SIGNATUR |              |   |  | DATE CONSIDERED   |                                       |                                   |                |

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|              |   | Patent and Tr  | ademark Office  | Filing Date  | August 22, 200  | 03  |
| TION DI      | sclosu  | RE STATEME   | ENT   | First Named Inventor   | Michael Wayne<br>Graham   |   |
| al sheets if | necessar  | y)   |   | Art Unit   | 1635  |   |
|              |   |  |   | Examiner Name  | Whiteman, B.  |   |
|              |   |  |   | Attorney Docket No.  | 0687/74768-BA-<br>US/JPW/GJG/MJE  |   |
|              |   | NON PATENT   | LITERATURE DOCU   | MENTS  |   |   |
| te Include   | name of the<br>agazine, jour  | nal, serial, symposiu  | m, catalog, etc.) date, pag   | ge(s), volume-issue numbe  | e), title of the item<br>er(s), publisher, city   | T <sup>2</sup>  |
|              |   | itted July 24  | , 2008 in connec  |  | erial No.   |   |
|              |   |  |   | nection with U.S   | . Serial No.  |   |
|              |   |  |   |  |   |   |
|              |   |  |   | nnection with U.S  | S. Serial   |   |
|              |   |  |   | 1998 (Michael Way  | yne Graham),  |   |
|              |   |  |   | nnection with U.S  | S. Serial   |   |
|              |   |  |   | nnection with U.S  | S. Serial   |   |
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|              |   |  |   | ction with U.S. S  | Serial No.  |   |
| No. 09       | ent subm<br>/646,807  | itted Septemb<br>, filed Decemb  | er 8, 2003 in co<br>ber 5, 2000;  | nnection with U.S  | S. Serial   |   |
|              |   |  |   | onnection with U   | .S. Serial  |   |
| -            | · X   |  | DATE CONSIDERED   |  |   |   |
|              | Include (book, max)  32 Amendme 10/646,  33 Amendme 10/646,  34 Amendme connects  35 Office No. 10,  36 U.S. Seincludi  37 Amendme No. 09,  38 Amendme No. 09,  39 Amendme No. 09,  41 Amendme 09/646,  41 Amendme 09/646,  42 Amendme No. 09,  43 Communications | Include name of the (book, magazine, jour 10/646,070, first 10/646,807, first 10/646 | NON PATENT  Include name of the author (in CAPITAL book, magazine, journal, serial, symposiu an  32 Amendment submitted July 24 10/646,070, filed August 22  33 Amendment submitted October 10/646,070, filed August 22  34 Amendment, including Exhibic connection with U.S. Serial  35 Office Action issued Novemboo No. 10/646,070, filed Augus  36 U.S. Serial No. 09/100,813, including complete file his  37 Amendment submitted Decembeo No. 09/646,807, filed Decemboo | Include name of the author (in CAPITAL LETTERS), title of the (book, magazine, journal, serial, symposium, catalog, etc.) date, page and/or country where publication and the country where publication is a construction of the country of the countr | Art Unit  Examiner Name  Attorney Docket No.  NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriat (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number and/or country where published.  Amendment submitted July 24, 2008 in connection with U.S. S. 10/646,070, filed August 22, 2003;  Amendment submitted October 10, 2008 in connection with U.S. 10/646,070, filed August 22, 2003;  Amendment, including Exhibits A to I submitted July 24, 200 connection with U.S. Serial No. 10/646,070, filed August 22, 2003;  Onnection with U.S. Serial No. 10/646,070, filed August 22, 2003;  Ols. Serial No. 09/100,813, filed June 19, 1998 (Michael Waincluding complete file history;  Amendment submitted December 18, 2002 in connection with U.No. 09/646,807, filed December 5, 2000;  Amendment submitted December 27, 2005 in connection with U.No. 09/646,807, filed December 5, 2000;  Amendment submitted December 28, 2006 in connection with U.No. 09/646,807, filed December 5, 2000;  Amendment submitted December 7, 2004 in connection with U.No. 09/646,807, filed December 5, 2000;  Amendment submitted March 10, 2005 in connection with U.S. 09/646,807, filed December 5, 2000;  Amendment submitted September 8, 2003 in connection with U.S. 09/646,807, filed December 5, 2000;  Amendment submitted September 8, 2003 in connection with U.S. 09/646,807, filed December 5, 2000; | Art Unit 1635  Examiner Name Whiteman, B. Artunit 1635  Examiner Name Whiteman, B. Artunit 1637  NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.  Amendment submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003;  Amendment submitted October 10, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003;  Amendment, including Exhibits A to I submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003;  Amendment, including Exhibits A to I submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003;  Amendment submitted December 4, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003;  Amendment submitted December 18, 2002 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000;  Amendment submitted December 27, 2005 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000;  Amendment submitted December 28, 2006 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000;  Amendment submitted December 7, 2004 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000;  Amendment submitted December 7, 2004 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000;  Amendment submitted September 8, 2003 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000;  Amendment submitted September 8, 2003 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000; |

| Form P7              | TO-1         | 449 (Substitute)                  | _                              | ent of Commerce                                       | Application Number       | 10/646,070                       |                |
|----------------------|--------------|-----------------------------------|--------------------------------|---|--------------------------|----------------------------------|----------------|
|                      |              |                                   | Patent and Tr                  | ademark Office  | Filing Date              | August 22, 200                   | )3             |
|                      |              | ION DISCLOSU                      |                                | ENT   | First Named Inventor     | Michael Wayne<br>Graham          |                |
| (Use sev             | eral s       | sheets if necessar                | y)                             |   | Art Unit                 | 1635                             |                |
|                      |              |                                   |                                |   | Examiner Name            | Whiteman, B.                     |                |
|                      |              |                                   |                                |   | Attorney Docket No.      | 0687/74768-BA-<br>US/JPW/GJG/MJP |                |
|                      |              |                                   | NON PATENT                     | LITERATURE DOCU                                       | MENTS                    |                                  |                |
| Examiner<br>Initials | Cite<br>No.1 |                                   | nal, serial, symposiu          | L LETTERS), title of the and the country where publis | e(s), volume-issue numbe |                                  | T <sup>2</sup> |
|                      | 244          | Communication :<br>No. 09/646,807 | issued Octobe                  | r 27, 2005 in cor                                     |                          | S. Serial                        |                |
|                      |              | Office Action No. 09/646,807      |                                | er 17, 2003 in co<br>ber 5, 2000;                     | onnection with U         | .S. Serial                       |                |
|                      |              | Office Action : 09/646,807, file  |                                | , 2008 in connect<br>5, 2000;                         | cion with U.S. Se        | erial No.                        |                |
|                      |              | Office Action : 09/646,807, fi    |                                | 8, 2006 in connec<br>5, 2000;                         | ction with U.S. S        | Serial No.                       |                |
| -                    |              | Office Action : 09/646,807, fi    |                                | 7, 2003 in connects, 2000;                            | ction with U.S. S        | Serial No.                       |                |
|                      |              | Office Action :<br>No. 09/646,807 |                                | er 18, 2002 in co<br>ber 5, 2000;                     | onnection with U         | .S. Serial                       |                |
|                      |              | Office Action :<br>No. 09/646,807 |                                | er 18, 2002 in co<br>ber 5, 2000;                     | onnection with U         | .S. Serial                       |                |
|                      |              | 1.78(a)(3) subi<br>No. 09/646,807 | mitted Decemb<br>, filed Decem |   | onnection with U         | .S. Serial                       |                |
|                      |              |                                   |                                | tted July 30, 200<br>d December 5, 200                |                          | with U.S.                        |                |
|                      |              |                                   |                                | tted May 14, 2001<br>d December 5, 200                |                          | with U.S.                        |                |
|                      |              | U.S. Serial No                    | . 09/646,807,                  | tted September 20<br>filed December 5                 | 5, 2000;                 |                                  | ·              |
|                      |              |                                   | 007 in connec                  | ship Under 37 C.I<br>tion with U.S. Se                |                          |                                  | - /# J/ -      |
| EXAMINER             | E            |                                   |                                | DATE CONSIDERED                                       |                          | ·                                |                |

| Form P7               | r <b>O-1</b> | 449 (Substitute)                                | U.S. Department of Comm   |   | 10/646,070                          |
|-----------------------|--------------|---|---|---|-------------------------------------|
|                       |              |   | Patent and Trademark O  | ffice Filing Date   | August 22, 2003                     |
|                       |              |   | RE STATEMENT  | First Named Inventor  | Michael Wayne<br>Graham             |
| (Use sev              | eral s       | sheets if necessar                              | y)  | Art Unit  | 1635                                |
|                       |              |   |   | Examiner Name   | Whiteman, B.                        |
|                       |              |   |   | Attorney Docket No.   | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP |
|                       |              |   | NON PATENT LITERATUR  | RE DOCUMENTS  |                                     |
| Examiner<br>Initials* | Cite<br>No.1 |   | author (in CAPITAL LETTERS), t<br>nal, serial, symposium, catalog, etc.<br>and/or country w             | ) date, page(s), volume-issue num                                       |                                     |
|                       |              | including all therein (reexar<br>2003 from U.S. | nination Control No. 90<br>references cited and di<br>mination of U.S. Patent<br>Serial No. 09/100,812) | 0/007,247, filed Octob<br>sclosed, rejections a<br>No. 6,573,099, issue | nd arguments<br>d June 3,           |
|                       |              |   | itted June 12, 2006 in filed October 4, 2004  |   | Reexamination                       |
|                       |              |   | tted November 28, 2005<br>No. 90/007,247, filed O   |   | .s.                                 |
|                       |              | with the Amendr<br>Reexamination N              | Michael Graham, Ph.D.<br>ment submitted June 12,<br>No. 90/007,247, filed O                             | 2006 in connection woctober 4, 2004;                                    | ith U.S.                            |
|                       |              | Amendment subm:<br>Reexamination N              | Michael Graham Under 3<br>itted November 28, 2005<br>No. 90/007,247, filed O                            | in connection with U<br>october 4, 2004;                                | .s.                                 |
|                       |              |   | nination Interview Summ<br>n U.S. Reexamination No  |   |                                     |
|                       |              | communication :                                 | iner submitted March 1,<br>from the Australian Pat<br>No. 90/007,247, filed O                           | ent Office in connect   | py of a<br>ion with U.S.            |
|                       |              |   | ssued April 12, 2006 i<br>No. 90/007,247, filed O   |   |                                     |
|                       |              | Reexamination 1                                 | issued August 31, 2005<br>No. 90/007,247, filed O   | October 4, 2004;  |                                     |
|                       |              | December 7, 200<br>filed October                |   | J.S. Reexamination No.  | 90/007,247,                         |
|                       |              | C.F.R. § 1.510<br>Reexamination I               | examination Pursuant to<br>submitted October 4,<br>No. 90/007,247, filed O                              | 2004 in connection wi<br>october 4, 2004;                               | th U.S.                             |
|                       | 267          | included with                                   | ne Content of the Inter<br>the Amendment submitted<br>amination No. 90/007,24                           | November 28, 2005 in  | connection                          |
| EXAMINE<br>SIGNATUR   |              |   | DATE CONSIDE  | ERED  |                                     |

| Form P7               | O-1          |  | .S. Department of Commerce   | Application Number                    | 10/646,070                       |                |
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|                       |              | P                                      | atent and Trademark Office   | Filing Date                           | August 22, 200                   | 03             |
|                       |              | ION DISCLOSUR                          | E STATEMENT  | First Named Inventor                  | Michael Wayne<br>Graham          |                |
| (Use seve             | eral s       | sheets if necessary)                   |  | Art Unit                              | 1635                             |                |
|                       |              |  |  | Examiner Name                         | Whiteman, B.                     |                |
|                       |              |  |  | Attorney Docket No.                   | 0687/74768-BA-<br>US/JPW/GJG/MJI |                |
|                       |              | 1                                      | NON PATENT LITERATURE DOC  | UMENTS                                |                                  |                |
| Examiner<br>Initials* | Cite<br>No.1 | (book, magazine, journal               | thor (in CAPITAL LETTERS), title of th<br>, serial, symposium, catalog, etc.) date, pa<br>and/or country where pub | age(s), volume-issue numbe<br>lished. | r(s), publisher, city            | T <sup>2</sup> |
|                       |              | with Merged Reex                       | tension of Time submitted amination Nos. 90/007,247 18, 2006, respectively;  |                                       |                                  |                |
|                       |              | Reexamination No.<br>May 18, 2006, re  |  | 96, filed October                     | 4, 2004 and                      |                |
|                       |              | Reexamination No:<br>May 18, 2006, re: |  | 96, filed October                     | 4, 2004 and                      |                |
|                       |              | Reexamination No.<br>May 18, 2006, re  |  | 96, filed October                     | 4, 2004 and                      |                |
|                       |              | Merged Reexamina                       | Final submitted February 2 tion Nos. 90/007,247 and 9 2006, respectively;  |                                       |                                  |                |
|                       |              |  | ted April 24, 2007 in conns. 90/007,247 and 90/008,0 spectively;   |                                       |                                  |                |
|                       |              |  | ted August 3, 2007 in conns. 90/007,247 and 90/008,0 spectively;   |                                       |                                  |                |
|                       |              |  | ted July 11, 2008 in conns. 90/007,247 and 90/008,0 spectively ;   |                                       |                                  |                |
|                       |              | Reexamination No<br>May 18, 2006, re   |  | 96, filed October                     | 4, 2004 and                      |                |
|                       |              | connection with I filed October 4,     | tion For Extension of Time<br>Merged Reexamination Nos.<br>2004 and May 18, 2006, re                               | 90/007,247 and 90,<br>spectively ;    | /008,096,                        |                |
|                       |              | connection with filed October 4,       | tion Under 37 C.F.R. § 1.<br>Merged Reexamination Nos.<br>2004 and May 18, 2006, re                                | 90/007,247 and 90,<br>spectively ;    | /008,096,                        |                |
|                       |              | with the Amendme                       | Kenneth Reed, Ph.D.] Under nt submitted April 24, 200 s. 90/007,247 and 90/008,0 spectively;                       | 7 in connection w:                    | ith Merged                       |                |
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| Form P7                           | r <b>O-1</b>             | 449 (Substitute)                                      | -  | nent of Commerce  | Application Number                 | 10/646,070                      |                |
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|                                   |                          |   | Patent and T                                 | Trademark Office  | Filing Date                        | August 22, 200                  | 03             |
|                                   |                          | ION DISCLOSU  |  | IENT  | First Named Inventor               | Michael Wayne<br>Graham         |                |
| (Use sevo                         | eral s                   | sheets if necessary                                   | y)   |   | Art Unit                           | 1635                            |                |
|                                   |                          |   |  |   | Examiner Name                      | Whiteman, B.                    |                |
|                                   |                          |   |  |   | Attorney Docket No.                | 0687/74768-BA-<br>US/JPW/GJG/MJ |                |
|                                   |                          |   | NON PATEN                                    | T LITERATURE DOCU   | MENTS                              |                                 |                |
| Examiner<br>Initials <sup>*</sup> | Cite<br>No. <sup>1</sup> |   | nal, serial, sympos                          | AL LETTERS), title of the sium, catalog, etc.) date, pag and/or country where publi | e(s), volume-issue numbe           |                                 | T <sup>2</sup> |
|                                   |                          | with the Amendr<br>Reexamination M<br>May 18, 2006, 1 | ment submitt<br>Nos. 90/007,<br>cespectively | aham, Ph.D.] Unde<br>ed April 24, 2007<br>247 and 90/008,09                         | in connection was filed October    | ith Merged<br>4, 2004 and       |                |
|                                   |                          | Exhibits A to I<br>Reexamination N<br>May 18, 2006, 1 | submitted Nos. 90/007, cespectively          |   | in connection to the filed October | with Merged<br>4, 2004 and      |                |
|                                   |                          | Reexamination May 18, 2006, 1                         | Nos. 90/007,<br>cespectively                 |   | 6, filed October                   | 4, 2004 and                     |                |
|                                   |                          | Reexamination M<br>May 18, 2006, 1                    | Nos. 90/007,<br>cespectively                 |   | 6, filed October                   | 4, 2004 and                     |                |
|                                   |                          | Reexamination M<br>May 18, 2006, 1                    | Nos. 90/007,<br>respectively                 |   | 6, filed October                   | 4, 2004 and                     |                |
|                                   |                          |   | Nos. 90/007,                                 | March 2, 2007 in co<br>247 and 90/008,09<br>,;                                      |                                    |                                 |                |
|                                   |                          | Reexamination N<br>May 18, 2006, 1                    | Nos. 90/007,<br>respectively                 |   | 6, filed October                   | 4, 2004 and                     |                |
|                                   |                          | Reexamination N<br>May 18, 2006, 1                    | Nos. 90/007,<br>respectively                 |   | 5, filed October                   | 4, 2004 and                     |                |
|                                   |                          | Reexamination N<br>May 18, 2006, 1                    | Nos. 90/007,<br>respectively                 |   | 6, filed October                   | 4, 2004 and                     |                |
|                                   |                          | Reexamination N<br>May 18, 2006, 1                    | Nos. 90/007,<br>respectively                 |   | 6, filed October                   | 4, 2004 and                     |                |
|                                   |                          | with Merged Red<br>4, 2004 and May                    | examination y 18, 2006,                      |   | nd 90/008,096, f                   | iled October                    |                |
|                                   | 291                      | Petition Under<br>with Merged Red<br>4, 2004 and May  | examination                                  | § 1.182 submitted<br>Nos. 90/007,247 a<br>respectively;                             | April 3, 2009 ind 90/008,096, f    | n connection<br>iled October    |                |
| EXAMINER<br>SIGNATUR              |                          |   |  | DATE CONSIDERED   |                                    |                                 |                |

| Form P7              | r <b>O-</b> 1 | 449 (Substitute)                                     | •   |  | Application Number               | 10/646,070                     |                |
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|                      |               |  | Patent and Tra                                    | demark Office  | Filing Date                      | August 22, 20                  | 03             |
|                      |               | ION DISCLOSU   |   | NT   | First Named Inventor             | Michael Wayne<br>Graham        |                |
| (Use sev             | eral s        | sheets if necessary                                  | y)  |  | Art Unit                         | 1635                           |                |
|                      |               |  |   |  | Examiner Name                    | Whiteman, B.                   |                |
|                      |               |  |   | · · · · · · · · · · · · · · · · · · ·  | Attorney Docket No.              | 0687/74768-BA<br>US/JPW/GJG/MJ |                |
|                      |               |  | NON PATENT I                                      | ITERATURE DOCU   | MENTS                            |                                |                |
| Examiner<br>Initials | Cite<br>No.1  |  | nal, serial, symposiun                            | LETTERS), title of the a<br>n, catalog, etc.) date, page<br>for country where publis | e(s), volume-issue numbe         |                                | T <sup>2</sup> |
|                      |               | included with t                                      | ne Content of<br>the Amendment<br>nation Nos. 90  | the Interview Un<br>submitted August<br>/007,247 and 90/                             | der 37 C.F.R. § 3, 2007 in con   | nection with                   |                |
|                      |               | Notes submitted                                      | d March 16, 20                                    | the Interview an<br>07 in connection<br>96, filed Octobe                             | with Merged Ree                  | examination                    |                |
|                      |               | including all a<br>therein (reexar<br>2003 from U.S. | references cit<br>mination of U.<br>Serial No. 09 |  | , rejections and 573,099, issued | d arguments<br>June 3,         |                |
|                      |               |  |   | tted November 27<br>8,096, filed May   |                                  | ction with                     |                |
|                      |               | Requirements [3                                      | 37 CFR 1.510(c                                    | with Ex Parte Re<br>)] issued May 23<br>8,096, filed May                             | , 2006 in connec                 |                                |                |
|                      |               |  |   | uest For Ex Part<br>U.S. Reexaminati   |                                  |                                |                |
|                      |               | Request Filing                                       | Requirements                                      | o Comply with Ex<br>submitted June 1<br>8,096, filed May                             | 4, 2006 in conne                 |                                |                |
|                      |               | C.F.R. §§1.502                                       | and 1.510, su                                     | rsuant to 35 U.S<br>bmitted May 18,<br>8,096, filed May                              | 2006 in connect:                 | and 37<br>ion with             |                |
|                      |               | 2008 (U.S. Ser:                                      | ial No. 10/571                                    | 2008/0044906 A1,<br>,384, filed June<br>complete file h                              | 1, 2006; Peter                   | uary 21,<br>Michael            |                |
|                      |               | Amendment submi<br>No. 10/571,384,                   |   | 19, 2008 in con<br>, 2006;   | nection with U.S                 | S. Serial                      |                |
|                      |               | 10/571,384, fil<br>Application No                    | led as a §371<br>. PCT/AU2004/0                   |  | f PCT Internation                | onal                           |                |
|                      | 303           | Office Action :<br>No. 10/571,384                    |   | 15, 2009 in con<br>, 2006;   | nection with U.S                 | S. Serial                      |                |
| EXAMINEI<br>SIGNATUR |               |  | D   | ATE CONSIDERED   |                                  |                                |                |

| Form P               | ГО-1        | 449 (Substitute)   | U.S. Department of Con                         | 1 **   | 10/646,070                          |  |  |
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|                      |             |  | Patent and Trademark                           | Office Filing Date   | August. 22, 2003                    |  |  |
| NFOR                 | МАТ         | ION DISCLOSU   | RE STATEMENT                                   | First Named Inventor   | Michael Wayne<br>Graham             |  |  |
| Use sev              | eral :      | sheets if necessar   | y) ·   | Art Unit   | 1635                                |  |  |
|                      |             |  |  | Examiner Name  | Whiteman, B.                        |  |  |
|                      |             |  |  | Attorney Docket No.  | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP |  |  |
|                      |             |  | NON PATENT LITERATI                            | URE DOCUMENTS  |                                     |  |  |
| Examiner<br>Initials | Cite<br>No. |  | nal, serial, symposium, catalog, e             | ), title of the article (when appropristc.) date, page(s), volume-issue numl<br>where published. | ,,                                  |  |  |
|                      |             |  |  | in connection with U.S.  | Serial No.                          |  |  |
|                      |             | Preliminary Amendment submitted March 10, 2006 in connection with U.S. Serial No. 10/571,384, filed as a \$371 national stage of PCT International Application No. PCT/AU2004/01237; |  |  |                                     |  |  |
|                      |             | published Septe<br>2008;   | ember 15, 1993, retri                          | tent Publication No. 05 eved from esp@acenet on  | April 22,                           |  |  |
|                      |             |  | ttted November 4, 200<br>Led October 30, 2002; | 5 in connection with U.  | S. Serial No.                       |  |  |
| -                    |             |  | issued January 25, 20<br>filed October 30, 2   | 06 in connection with U  | .S. Serial                          |  |  |
|                      | 309         | U.S. Serial No<br>al.);  | . 11/905,368, filed S                          | eptember 28, 2007 (Andro   | ew Fire et                          |  |  |
|                      |             | U.S. Serial No. 09/056,767, filed April 8, 1998 (Peter Michael Waterhouse et al.), including complete file history;  |  |  |                                     |  |  |
| .,,                  | 311         |  | . $09/127,735$ , filed Aal.), including comple | ugust 3, 1998 (Peter Mi<br>ete file history;   | chael                               |  |  |
|                      |             |  | . 09/287,632, filed Agal.), including comple   | pril 7, 1999 (Peter Mic<br>ete file history;   | hael                                |  |  |
|                      | 313         | Advisory Action<br>No. 09/287,632  | n issued April 11, 20<br>, filed April 7, 1999 | 02 in connection with U;   | .S. Serial                          |  |  |
| _                    | 314         |  | itted April 2, 2002 i<br>led April 7, 1999;    | n connection with U.S.   | Serial No.                          |  |  |
| <del></del>          | 315         |  | itted August 21, 2000<br>led April 7, 1999;    | in connection with U.S   | . Serial No.                        |  |  |
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| Form P                | ГО-1         | 449 (Substitute)  | U.S. Department of Commer  |                               | 10/646,070                          |  |  |
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|                       |              |   | Patent and Trademark Offic   | e<br>Filing Date              | August 22, 2003                     |  |  |
| INFOR                 | MAT          | ION DISCLOSU  | RE STATEMENT   | First Named Inventor          | Michael Wayne<br>Graham             |  |  |
| (Use sev              | eral         | sheets if necessar  | y)   | Art Unit                      | 1635                                |  |  |
|                       |              |   |  | Examiner Name                 | Whiteman, B.                        |  |  |
|                       |              |   |  | Attorney Docket No.           | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP |  |  |
|                       |              |   | NON PATENT LITERATURE D  | OCUMENTS                      |                                     |  |  |
| Examiner<br>Initials* | Cite<br>No.1 |   | author (in CAPITAL LETTERS), title<br>nal, serial, symposium, catalog, etc.) dat<br>and/or country where | e, page(s), volume-issue numb |                                     |  |  |
|                       | 316          |   | itted August 24, 2001 in oled April 7, 1999;   |                               | . Serial No.                        |  |  |
|                       | 317          |   | itted August 8, 2007, in oled April 7, 1999;   | connection with U.S.          | Serial No.                          |  |  |
|                       | 318          |   | itted January 16, 2003 in<br>led April 7, 1999;  | connection with U.S           | S. Serial No.                       |  |  |
|                       | 319          | Amendment submitted July 7, 2003 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999;  Amendment submitted June 11, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999; |  |                               |                                     |  |  |
|                       |              |   |  |                               |                                     |  |  |
|                       | 321          |   | itted March 19, 2009 in co<br>led April 7, 1999;   | onnection with U.S.           | Serial No.                          |  |  |
|                       | 322          | 2 Amendment submitted March 5, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999;   |  |                               |                                     |  |  |
|                       | 323          |   | itted May 1, 2008 in conne<br>led April 7, 1999;   | ection with U.S. Ser          | rial No.                            |  |  |
|                       | 324          |   | itted May 10, 2006, in cor<br>led April 7, 1999;   | nnection with U.S. S          | Serial No.                          |  |  |
|                       | 325          |   | itted November 22, 2006 ir, filed April 7, 1999;   | connection with U.            | S. Serial                           |  |  |
|                       | 326          |   | itted September 12, 2005,<br>, filed April 7, 1999;  | in connection with            | U.S Serial                          |  |  |
|                       | 327          | Communication<br>No. 09/287,632   | issued August 21, 2001 in<br>, filed April 7, 1999;  | connection with U.            | S. Serial                           |  |  |
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| Form P7               | <b>'O-1</b>  | 449 (Substitute)                   | U.S. Department of Commerce  | Application Number         | 10/646,070                          |
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|                       |              |                                    | Patent and Trademark Office  | Filing Date                | August 22, 2003                     |
| INFORM                | <b>AAT</b>   | ION DISCLOSU                       | RE STATEMENT   | First Named Inventor       | Michael Wayne<br>Graham             |
| (Use seve             | eral s       | sheets if necessar                 | y)   | Art Unit                   | 1635                                |
|                       |              |                                    |  | Examiner Name              | Whiteman, B.                        |
|                       |              |                                    |  | Attorney Docket No.        | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP |
|                       |              |                                    | NON PATENT LITERATURE DOC  | CUMENTS                    |                                     |
| Examiner<br>Initials* | Cite<br>No.1 |                                    | author (in CAPITAL LETTERS), title of tl<br>nal, serial, symposium, catalog, etc.) date, p<br>and/or country where pul | age(s), volume-issue numbe |                                     |
|                       |              |                                    | issued December 3, 2004, in filed April 7, 1999;   |                            | .S. Serial                          |
|                       |              |                                    | issued July 21, 2000 in conn<br>led April 7, 1999;   | ection with U.S.           | Serial No.                          |
|                       |              |                                    | issued June 2, 1999 in conne<br>led April 7, 1999;   | ction with U.S. S          | erial No.                           |
|                       |              |                                    | issued March 25, 2004 in con<br>led April 7, 1999;   | nection with U.S.          | Serial No.                          |
|                       |              |                                    | submitted May 18, 2001 in co<br>led April 7, 1999;   | nnection with U.S          | . Serial No.                        |
|                       |              | \$1.132, includ:                   | Dr. Elizabeth Salisbury Den<br>ing Exhibits 1 to 14 submitt<br>h U.S. Serial No. 09/287,632                            | ed August 8, 2007          | in                                  |
|                       |              | Annexes 1 and 2                    | Dr. Marc De Block Under 37<br>2 submitted August 8, 2007,<br>287,632, filed April 7, 1999                              | in connection with         | cluding<br>h U.S.                   |
|                       |              |                                    | ary issued July 29, 2004 in<br>, filed April 7, 1999;  | connection with U          | .S. Serial                          |
|                       | 336          | Interview Summa<br>No. 09/287,632  | ary issued June 2, 2006, in filed April 7, 1999;   | connection with U          | .S. Serial                          |
|                       | 337          | Interview Summa<br>Serial No. 09/2 | ary issued November 30, 2007<br>287,632, filed April 7, 1999   | in connection wi;          | th U.S.                             |
|                       | 338          |                                    | ary of September 5, 2002 Int<br>. 09/287,632, filed April 7,   |                            | ion with                            |
|                       |              | to III, of Dr                      | Declaration Under 37 C.F.R.<br>Michael Metzlaff in conne<br>led April 7, 1999;   |                            |                                     |
|                       |              |                                    |  |                            |                                     |

| Form P7              | ГО-1        | 449 (Substitute)                                     | U.S. Department of Commerc   |  | 10/646,070                       |                |
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|                      |             |  | Patent and Trademark Office  | Filing Date  | August 22, 200                   | 03 .           |
| INFOR                | MAT         | ION DISCLOSU   | RE STATEMENT   | First Named Inventor   | Michael Wayne<br>Graham          |                |
| (Use sev             | eral :      | sheets if necessary                                  | y)   | Art Unit   | 1635                             |                |
|                      |             |  |  | Examiner Name  | Whiteman, B.                     | ~              |
|                      |             |  |  | Attorney Docket No.  | 0687/74768-BA-<br>US/JPW/GJG/MJI |                |
|                      |             |  | NON PATENT LITERATURE DO   | OCUMENTS   |                                  |                |
| Examiner<br>Initials | Cite<br>No. |  | author (in CAPITAL LETTERS), title of<br>nal, serial, symposium, catalog, etc.) date<br>and/or country where p | f the article (when appropriat<br>, page(s), volume-issue numbo  |                                  | T <sup>2</sup> |
|                      |             | to 5 of Peter M<br>and Neil A. Smi<br>April 7, 1999; | claration Under 37 C.F.R. Michael Waterhouse, Michael ith in connection with U.S.                              | § 1.131, including<br>L Wayne Graham, Min<br>. Serial No. 09/287 | g-Bo Wang<br>,632, filed         |                |
|                      |             |  | claration Under 37 C.F.R. 1<br>n connection with U.S. Ser  |  |                                  |                |
|                      | -           | Exhibits 1 to 5                                      | 07 Declaration Under 37 C.M<br>5 of Dr. Elizabeth Salisbur<br>. 09/287,632, filed April                        | ry Dennis in connec  |                                  |                |
|                      |             |  | issued April 9, 2003 in cor<br>led April 7, 1999;  | nnection with U.S.   | Serial No.                       |                |
|                      |             |  | issued February 8, 2007, in<br>, filed April 7, 1999;  | n connection with U  | .S. Serial                       |                |
|                      | 345         |  | issued July 16, 2002 in con<br>led April 7, 1999;  | nnection with U.S.   | Serial No.                       |                |
|                      | 346         |  | issued June 22, 2006 in com<br>led April 7, 1999;  | nnection with U.S.   | Serial No.                       |                |
|                      | 347         |  | issued March 11, 2005 in co<br>led April 7, 1999;  | onnection with U.S.  | Serial No.                       |                |
|                      |             |  | issued November 1, 2007, in<br>, filed April 7, 1999;  | n connection with U  | .S. Serial                       |                |
|                      | 349         |  | issued November 10, 2005 in, filed April 7, 1999;  | n connection with U  | .S. Serial                       |                |
|                      | 350         |  | issued November 2, 2001 in filed April 7, 1999;  | connection with U.   | S. Serial                        |                |
|                      | 351         |  | issued November 3, 2004 in<br>, filed April 7, 1999;   | connection with U.   | S. Serial                        |                |
| EXAMINE              | R           |  | DATE CONSIDERED  |  |                                  | 1.             |

| Form P               | ГО-1         | 449 (Substitute)                   | U.S. Department of Commerce   | Application Number             | 10/646,070                          |
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|                      |              |                                    | Patent and Trademark Office   | Filing Date                    | August 22, 2003                     |
| NFOR                 | МАТ          | ION DISCLOSU                       | RE STATEMENT  | First Named Inventor           | Michael Wayne<br>Graham             |
| Use sev              | eral s       | sheets if necessar                 | y)  | Art Unit                       | 1635                                |
|                      |              |                                    |   | Examiner Name                  | Whiteman, B.                        |
|                      |              |                                    |   | Attorney Docket No.            | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP |
|                      |              |                                    | NON PATENT LITERATURE DO  | CUMENTS                        |                                     |
| Examiner<br>Initials | Cite<br>No.1 |                                    | author (in CAPITAL LETTERS), title of<br>nal, serial, symposium, catalog, etc.) date,<br>and/or country where p | page(s), volume-issue numbe    |                                     |
|                      |              |                                    | issued October 3, 2000 in coled April 7, 1999;  |                                | . Serial No.                        |
|                      |              |                                    | issued September 19, 2008 i<br>, filed April 7, 1999;   | n connection with              | U.S. Serial                         |
|                      |              | submitted Septe                    | rrect Inventorship Pursuant<br>ember 13, 2006 in connectio<br>led April 7, 1999;                                |                                |                                     |
|                      |              |                                    | endment submitted June 28,<br>287,632, filed April 7, 199   |                                | with U.S.                           |
|                      |              |                                    | erview submitted August 6,<br>287,632, filed April 7, 199   |                                | with U.S.                           |
|                      |              | published Octob                    | nistory for U.S. Patent Pub<br>per 28, 2004 (U.S. Serial N<br>r Michael Waterhouse et al.                       | o. 10/755,328, fil             |                                     |
|                      |              | Office Action :                    | issued September 1, 2005 in<br>, filed January 13, 2004;  |                                | .S. Serial                          |
| ····                 |              |                                    | endment submitted January 1<br>. 10/755,328, filed January  |                                | ion with                            |
|                      |              | (U.S. Serial No<br>Waterhouse et a | olication No. 2006-0178335,<br>o. 11/364,183, filed March<br>al.), including complete fi                        | 1, 2006; Peter Mic.le history; | hael                                |
|                      | 361          |                                    | itted April 15, 2009, in co<br>led March 1, 2006.;  | nnection with U.S.             | Serial No.                          |
|                      |              | April 15, 2009<br>March 1, 2006.   |   | Serial No. 11/364,1            | 83, filed                           |
|                      | 363          |                                    | Geoffrey Ellacott submitte<br>h U.S. Serial No. 11/364,18   |                                |                                     |
|                      | <b>\</b>     | <u> </u>                           |   |                                |                                     |

|                       | O-1               | 449 (Substitute)   |  | ent of Commerce  | Application Number  | 10/646,070   |                |
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|                       |                   |  | Patent and Tr  | ademark Office   | Filing Date   | August 22, 200   | 03             |
| INFORM                | MAT               | TION DISCLOSU  | RE STATEME   | ENT  | First Named Inventor  | Michael Wayne<br>Graham  |                |
| (Use sev              | eral :            | sheets if necessar   | y)   |  | Art Unit  | 1635   |                |
|                       |                   |  |  |  | Examiner Name   | Whiteman, B.   | 3.             |
|                       |                   |  |  |  | Attorney Docket No.   | 0687/74768-BA-<br>US/JPW/GJG/MJE   |                |
|                       |                   |  | NON PATENT   | LITERATURE DOCU  | IMENTS  |  |                |
| Examiner<br>Initials* | Cite<br>No.1      |  | author (in CAPITA)<br>nal, serial, symposiu  | L LETTERS), title of the   | article (when appropriatese(s), volume-issue numbe  |  | T <sup>2</sup> |
|                       |                   |  | Neil Smith s   |  | 5, 2009, in conn  | ection with  |                |
|                       | 365               | Declaration of connection wit  | Peter Michae<br>h U.S. Serial  | l Waterhouse sub<br>No. 11/364,183,  | mitted April 15,<br>filed March 1,  | 2009, in<br>2006.;   |                |
|                       | 366               | Amendment subm<br>11/364,183, fi   |  |  | nection with U.S  | . Serial No.   |                |
|                       | 367               | Amendment subm<br>11/364,183, fi   |  |  | ion with U.S. Se  | rial No.   |                |
|                       | 368               |  |  | ary 1, 2008 Inte<br>filed March 1,   | rview in connect<br>2006;   | ion with   |                |
|                       | 369               |  |  | uary 11, 2009 In<br>filed March 1,   | terview in conne<br>2006;   | ction with   |                |
|                       | 370               | <del></del>  |  |  |   | İ  |                |
|                       |                   | to 3 of Peter  | Michael Water  | house, Michael W   | 1.131, including<br>ayne Graham, and<br>364,183, filed M  | Ming-Bo  |                |
|                       |                   | to 3 of Peter Wang in connec 2006;   | Michael Water<br>tion with U.S<br>issued April   | house, Michael W<br>. Serial No. 11/<br>17, 2008 in conn   | ayne Graham, and  | Ming-Bo<br>arch 1,   |                |
|                       | 371<br>372        | to 3 of Peter Wang in connec 2006; Office Action 11/364,183, fi Office Action 11/364,183, fi   | Michael Water tion with U.S issued April led March 1, issued July 1 led March 1,   | house, Michael W . Serial No. 11/ 17, 2008 in conn 2006; 0, 2007 in conne 2006;  | ayne Graham, and 364,183, filed Mection with U.S.   | Ming-Bo<br>arch 1,<br>Serial No.<br>Serial No.   |                |
|                       | 371<br>372        | to 3 of Peter Wang in connec 2006; Office Action 11/364,183, fi Office Action 11/364,183, fi   | Michael Water tion with U.S issued April led March 1, issued July 1 led March 1, endment submi   | house, Michael W . Serial No. 11/ 17, 2008 in conn 2006; 0, 2007 in conne 2006;  | ayne Graham, and 364,183, filed Mection with U.S.   | Ming-Bo<br>arch 1,<br>Serial No.<br>Serial No.   |                |
|                       | 371<br>372<br>373 | to 3 of Peter Wang in connec 2006; Office Action 11/364,183, fi Office Action 11/364,183, fi Preliminary Am Serial No. 11/   | Michael Water tion with U.S issued April led March 1, issued July 1 led March 1, endment submi 364,183, file history for U 1 4, 2007 (U.                           | house, Michael W . Serial No. 11/ 17, 2008 in conn 2006; 0, 2007 in conne 2006; tted March 1, 20 d March 1, 2006; .S: Patent Publi S. Serial No. 11                            | ayne Graham, and 364,183, filed Mection with U.S.   | Ming-Bo arch 1,  Serial No.  Serial No.  with U.S.                                     |                |
|                       | 371<br>372<br>373 | to 3 of Peter Wang in connec 2006; Office Action 11/364,183, fi Office Action 11/364,183, fi Preliminary Am Serial No. 11/ Complete file published Apri 2006; Peter Mi | Michael Water tion with U.S issued April led March 1, issued July 1 led March 1, endment submi 364,183, file history for U1 4, 2007 (U.chael Waterho itted January | house, Michael W. Serial No. 11/ 17, 2008 in conn 2006; 0, 2007 in conne 2006; tted March 1, 20 d March 1, 2006; S: Patent Publi S. Serial No. 11 use et al.); 30, 2009 in con | ayne Graham, and 364,183, filed Mection with U.S. ction with U.S. of in connection cation No. 2007- | Ming-Bo<br>arch 1,<br>Serial No.<br>Serial No.<br>with U.S.<br>0078105,<br>December 1, |                |

| Form P7              | ro-1         | 449 (Substitute)   | U.S. Department of Commo  |                                    | 10/646,070                          |  |
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|                      |              |  | Patent and Trademark Off  | ice<br>Filing Date                 | August 22, 2003                     |  |
| INFORI               | ИАТ          | ION DISCLOSU   | RE STATEMENT  | First Named Inventor               | Michael Wayne<br>Graham             |  |
| Use sev              | eral s       | sheets if necessar   | y)  | Art Unit                           | 1635                                |  |
|                      |              |  |   | Examiner Name                      | Whiteman, B.                        |  |
|                      |              |  |   | Attorney Docket No.                | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP |  |
|                      |              |  | NON PATENT LITERATURE   | DOCUMENTS                          |                                     |  |
| Examiner<br>Initials | Cite<br>No.1 |  | author (in CAPITAL LETTERS), titl<br>nal, serial, symposium, catalog, etc.) d<br>and/or country whe   | late, page(s), volume-issue num    |                                     |  |
|                      |              |  | issued July 31, 2008 in a<br>led December 1, 2006;  |                                    | Serial No.                          |  |
|                      |              |  | endment submitted December 11/607,062, filed December 11/607, filed December |                                    | tion with                           |  |
|                      |              | (U.S. Serial No  | blication No. 2008-01047<br>o. 11/841,737, filed Augu<br>al.), including complete   | ust 20, 2007; Peter                | 1, 2008<br>Michael                  |  |
|                      |              |  | itted January 16, 2008 in<br>led August 20, 2007;   | n connection with U.               | S. Serial No.                       |  |
|                      |              |  | ication issued May 1, 200, filed August 20, 2007;   | 08 in connection wit               | h U.S. Serial                       |  |
|                      |              | EPO Form 2001 o<br>Application No  | dated July 16, 2007 in co<br>. 05013010.3;  | onnection with Europ               | ean Patent                          |  |
|                      |              | EPO Form 2906 dated July 16, 2007 in connection with European Patent Application No. 05013010.3; |   |                                    |                                     |  |
|                      | 383          | European Search<br>2006;   | h Report issued for EP050   | 016726, completed on               | March 8,                            |  |
|                      |              | European Search<br>March 19, 1999  | h Report mailed June 3, 2<br>, 4 pages;   | 2005, for EP 0401504               | l, filed                            |  |
|                      |              |  | nt Office Search Report r<br>tion no. P0101225, 1 page  |                                    | , for Hungary                       |  |
|                      |              | International I<br>International I   | Preliminary Report on Par<br>Bureau of WIPO on March<br>Application No. PCT/AU200   | 13, 2006 in connecti<br>04/001237; | on with                             |  |
|                      |              | Authority (ISA   | Search Report issued by (<br>/AU) on October 20, 2004   |                                    |                                     |  |
|                      |              |  | . PCT/AU2004/001237;  | in connection with                 | .                                   |  |

| Form PI              | rO-1         | 449 (Substitute) U.S. Department of Commerce  |  | 10/646,070   |
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|                      |              | ION DISCLOSURE STATEMENT  | First Named Inventor                     | Michael Wayne<br>Graham                            |
| (Use sev             | eral :       | sheets if necessary)  | Art Unit                                 | 1635   |
|                      |              |   | Examiner Name                            | Whiteman, B.                                       |
|                      |              |   | Attorney Docket No.                      | 0687/74768-BA-PCT<br>US/JPW/GJG/MJP                |
|                      |              | NON PATENT LITERATURE DO  | CUMENTS                                  |  |
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|                      | 388          | International Search Report mailed on May application no. PCT/AU01/00297 filed Marc   | , 10, 2001, for PCT                      |  |
|                      |              | International Search Report mailed on Nov<br>application no. PCT/AU02/01326 filed Sept  | tember 27, 2002, 4                       | pages;   |
|                      |              | International Search Report mailed on Octapplication no. PCT/IB00/01133 filed Augu  |  | PCT  |
|                      | 391          | Written Opinion mailed on April 17, 2004,<br>PCT/AU03/01177 filed September 9, 2003, 7  |  | on no  |
|                      | 392          | Written Opinion mailed on March 19, 2001,<br>PCT/IB00/01133 filed August 14, 2000 ;   | for PCT applicati                        | on no.   |
|                      |              | Written Opinion of the International Sear<br>International Preliminary Examining Autho<br>2004 in connection with International App<br>PCT/AU2004/001237; | ority (IPEA/AU) on                       |  |
|                      |              | Australian Written Opinion for SG20020512   | 22-5 dated October                       | 24, 2005;  |
|                      | 395          | Agami et al. (2002) "RNAi and Related Med<br>Use For Therapy" Current Opinion in Chemi  | chanisms And Their<br>cal Biology 6:829- | Potential<br>834;                                  |
|                      |              | Alberts, B., et al. (1989) "Molecular Bio<br>pp.102, 486487 and 532-535 (Garland Publi<br>pubs.);   | ishing, Inc., New Y                      | ork, NY,   |
|                      |              | Barry et al. (1993) "Methylation induced coextension with DNA repeat legths and ef Proc. Natl. Acad. Sci. 90:4557-4561;                                   | fect on transcript                       | elongation"  |
|                      |              | Becker, W.M., and Deamer, D.W. (1991) "Th<br>to 477 (The Benjamin/Cummings Publishing<br>California, pub.);   | Company, Inc., Red                       | wood City,   |
|                      | 399          | Berns, K., et al. (2004) "A large-scale Fidentifies new components of the p53 path  |  |  |
| EXAMINER             | }            | DATE CONSIDERED   |  |  |

| Form P               | Γ <b>O</b> -1 | 449 (Substitute)   | U.S. Department of Comme   |   | 10/646,070                       |    |  |
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|                      |               |  |  | Examiner Name                                       | Whiteman, B.                     |    |  |
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|                      |               |  | NON PATENT LITERATURE  | DOCUMENTS   |                                  |    |  |
| Examiner<br>Initials | Cite<br>No.1  |  | author (in CAPITAL LETTERS), titl<br>nal, serial, symposium, catalog, etc.) d<br>and/or country whet | ate, page(s), volume-issue numb                     |                                  | T2 |  |
|                      |               | interference a:  | t al. (2004) "Long doubles a tool to achieve site-<br>europeptides" Brain Res F                      | e-stranded RNA-mediatespecific silencing of         | of                               |    |  |
|                      | 401           | Bhargava A., ei<br>in hippocampal<br>Ca(2+)-ATPase-  | t al. (2002) "Glucocortic<br>derived H19-7 neurons by<br>"Mol Endocrinol. 16(7)                      | coids prolong Ca(2+), repressing the plase 1629-37; | transients<br>sma membrane       |    |  |
|                      |               | Bissler, J.J.<br>Biosci. 3:408-  | (1998) "DNA inverted repo<br>418;  | eats and human diseas                               | e," Front                        |    |  |
|                      |               | Duplex Between   | . (1990) "Control of Repl<br>the Antisense RNA, CopA<br>ifically in vivo and in v<br>-2340;          | and its Target, Cop?                                | r, is                            |    |  |
|                      | 404           |  | . (1998) "Designing Riboz<br>IBTECH, 16:434-438;   | zymes for the Inhibit                               | ion of Gene                      |    |  |
|                      |               |  | (1991) "Copy Number Contr<br>at Three Levels" Nucleic  |   |                                  |    |  |
|                      |               | 6 Braun and Hemenway (1992) "Expression of Amino-Terminal Portions or Full-Length Viral Replicase Genes in Transgenic Plants Confers Resistance to Potato Virus X Infection" Plant Cell 4:735-744; |  |   |                                  |    |  |
|                      |               |  | l. (1995) "Replicase-Medi<br>Virology 207:467-474;   | lated Resistance to <i>P</i>                        | lfalfa                           |    |  |
|                      | 408           | Level of cab14   | et al., (1993) "An Arabi<br>O RNA is a Result of Cost<br>ty of Plant Physiologists                   | appression" The Plant                               | Cell,                            | *  |  |
|                      | 409           | Buchman, A.R.,   | and Berg, P. (1998) "Condent gene expression," Mo  | mparison of intron-de                               | ependent and                     |    |  |
|                      | 410           |  | al. (2006) "From worm ge<br>Genet. 38(8):862 - 863;  | enetic networks to co                               | omplex human                     |    |  |
|                      |               | Araidopsis and   | (2004) "Transforming Peta<br>Oilseed Rape: Implementa<br>Technology in an Organ-S                    | ation of the Hairpin                                | RNA Mediated                     | ~  |  |
|                      | ₹             |  |  |   |                                  |    |  |

| Form P1               | ro-1         | 449 (Substitute)                             | U.S. Department of Commerce  | Application Number  | 10/646,070                           |
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|                       |              |  | Patent and Trademark Office  | Filing Date   | August 22, 2003                      |
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| •                     | _            |  |  | Attorney Docket No.                                       | 0687/74768-BA-PCT-<br>US/JPW/GJG/MJP |
|                       |              |  | NON PATENT LITERATURE DO   | CUMENTS   |                                      |
| Examiner<br>Initials* | Cite<br>No.1 |  | author (in CAPITAL LETTERS), title of<br>nal, serial, symposium, catalog, etc.) date,<br>and/or country where pu | the article (when appropriate page(s), volume-issue numbe |                                      |
|                       | 412          | Cameron et al.<br>in Monkey Cells            | (1989) "Specific Gene Supr<br>s" Proc. Natl. Acad. Sci. U  | ession by Engineer  | ed Ribozymes                         |
|                       |              |  | (2002) "A New Approach to tends In Biotechnology 20:49   |   | ene                                  |
|                       |              | 54-k Da Gene Se<br>Plant Microbe :           | 992) "Resistance to Tobacco<br>equence Requires Expression<br>Interact. 5:397-404;                               | of the 54-k Da Pro  | otein" Mol.                          |
|                       |              |  | 003) "Temporal and Spatial<br>nts by Inducible Expression<br>36:731-40;  |   |                                      |
|                       |              |  | al. (2003) "Unusual DNA du<br>Res. 31(10):2461-74;   | plex and hairpin mo                                       | otifs,"                              |
|                       |              |  | (1990) "The c4 Repressors o<br>" Cell 62:591-598;  | f Bacteriophages P  | l and P7 Are                         |
|                       |              |  | 997) "PKRa protein kinase<br>ochem Cell Biol. 29(7):945  |   | le-stranded                          |
|                       | 419          | Covey et al. (3<br>385:781-782;              | 1997) "Plants Combat Infect  | ion by Gene Silenc  | ing," Nature                         |
|                       |              | Recombination :<br>Gene 91:79-85;            | 990) "Intra-and Intermolecu<br>in Plant Cells Mediated by  | Bacteriophage P1 Re                                       |                                      |
|                       |              |  | 000) "A test of the model t<br>tability" RNA 6 608-615;  | o predict unusuall  | y stable RNA                         |
|                       |              | 3' untranslated results in nuclus 94:7388-73 |  | phy protein kinase<br>ts," Proc. Natl. A                  | transcripts<br>cad. Sci.             |
|                       |              | equally effect:                              | al. (1996) "A ribozyme gen<br>ive in conferring resistanc<br>acco" Mol Gen Genet. 250: 3                         | e to tobacco mosai  |                                      |
|                       |              |  | acco Moi Gen Genet. 250: 5   | 29Đ338;   |                                      |

| Form P                | ro-1         | 449 (Substitute)                 | U.S. Department of Co  |                          | Application Number                 | 10/646,070                        |                |
|-----------------------|--------------|----------------------------------|--|--------------------------|------------------------------------|-----------------------------------|----------------|
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|                       |              |                                  | RE STATEMENT   |                          | First Named Inventor               | Michael Wayne<br>Graham           |                |
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|                       |              |                                  |  |                          | Examiner Name                      | Whiteman, B.                      |                |
|                       |              |                                  |  |                          | Attorney Docket No.                | 0687/74768-BA-I<br>US/JPW/GJG/MJP |                |
|                       |              |                                  | NON PATENT LITERAT   | TURE DOCU                | MENTS                              |                                   |                |
| Examiner<br>Initials* | Cite<br>No.1 |                                  | author (in CAPITAL LETTER<br>nal, serial, symposium, catalog,<br>and/or countr |                          | e(s), volume-issue numbe           | -,,                               | T <sup>2</sup> |
|                       |              | Neufeldt, V., o<br>NY;           | copy" (1995) Webste<br>and Sparks, A.N., ed                                    | r's New Wo<br>s., Simon  | rld Dictionary,<br>& Schuster Inc. | , New York,                       | - ,            |
|                       |              | engineering, p<br>Organization o | 'palindrome" (1999)<br>. 172, Zaid, A., et<br>f the United Nations             | al., eds.,<br>, Rome, It | Food and Agric aly;                | ulture                            |                |
|                       |              | Methyltransfer<br>Bacteriology 1 |  | cillus sub               | tilis" Journal                     | of                                |                |
|                       |              | gene silencing                   | al. (2003) "Long end<br>in mammalian cells<br>es. 13(5):381-92;                |                          |                                    | complete                          |                |
|                       |              | promoter of Ar                   | d Pikaard CS (1995)<br>abidopsis thaliana i<br>initiation site" Pla            | ncludes a                | critical elemen                    |                                   |                |
|                       |              | Donahue C.P. e<br>Yeast" RNA 3:9 | t al. (1997) "Kineti<br>51-973;  | cs of Hair               | pin Ribozyme Cl                    | eavage in                         |                |
|                       |              |                                  | (1991) "Mature mRNA<br>e Nucleus," EMBO J.                                     |                          |                                    | es RNA                            |                |
|                       |              | Polyadenylatio<br>Biol. Chem. 26 |  | Hammerhea                | d Ribozyme in Y                    |                                   |                |
|                       |              | expression of Proc. Natl. Ac     | M., et al. (1993) ".<br>diverse strains of had. Sci. USA 90(17):               | uman immun<br>8303;      | odeficiency vir                    | us type 1,"                       |                |
|                       |              | Litigation Act<br>Exhibit A, 380 | Benitec Australia L<br>ion No. 04-174 (D. D<br>pages, submitted Ja             | el.) (JJF)<br>nuary 28,  | , filed March 2 2005;              | 2, 2004;                          |                |
|                       |              | Litigation Act<br>Exhibit B, 20  | Benitec Australia L<br>ion No. 04-174 (D. D<br>pages, submitted Jan            | el.) (JJF)<br>uary 28, 2 | , filed March 2 005;               | 2, 2004;                          |                |
|                       | 435          | Chloroplast Nm                   | l. (1997) "Transgeni<br>dh cDNA in Sense and<br>Soc. Of Plant Physio           | AntiSense                | Orientation,"                      | Plant                             |                |
| EXAMINER              | t<br>E       |                                  | DATE CON   | SIDERED                  |                                    |                                   |                |

| Form P                | ГО-1                     | 449 (Substitute)                                     | U.S. Department of Commerce   | Application Number               | 10/646,070                       |                |
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| (Use sev              | eral :                   | sheets if necessar                                   | <b>y</b> )  | Art Unit                         | 1635                             |                |
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| -)-                   |                          |  |   | Attorney Docket No.              | 0687/74768-BA-<br>US/JPW/GJG/MJE |                |
|                       |                          |  | NON PATENT LITERATURE DO  | CUMENTS                          |                                  |                |
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> |  | author (in CAPITAL LETTERS), title of rall, serial, symposium, catalog, etc.) date, and/or country where pu | page(s), volume-issue numbe      |                                  | T <sup>2</sup> |
|                       | 436                      |  | et al. (2004) "Transgenic R<br>9 gene imprinting" Science.  | NAi reveals essent               |                                  |                |
|                       |                          | Stranded RNA i                                       | 998) "Potent and Specific G<br>n Caenorhabditis elegans" N  | ature 391:806-822;               |                                  |                |
|                       |                          | gene function n<br>Methods. 121(2                    | (2002) "Specific interfere mediated by long dsRNA in no 2):151-7;   | eural cells" J Neu               | rosci                            |                |
|                       | 439                      |  | (2004) "A Classical Arabinotion of Female Gametogenesi<br>8;  |                                  |                                  |                |
|                       | 440                      | Gilbert, S.F.<br>Inc., Sunderla                      | (1997) "Development Biology nd, MA, pubs.;  | " 5th ed., Sinauer               | Associates                       |                |
|                       |                          |  | (1996) "Genetic and Bioche<br>irus Resistance" Plant Cell   |                                  | f Transgenic                     |                |
|                       |                          | Viral Resistan                                       | t al. (1996) "Co-suppressio<br>ce: a Common Mechanism!" Sy<br>el Graham at the Lorne Geno<br>rurary 1996;   | mposium 4-3, Abstr               | act for talk                     |                |
|                       |                          | Gross, H.J., e-<br>of Citrus Exoco<br>121(2):249-57; | t al. (1982) "Nucleotide Seortis and Chrysanthemum Stu  | nt Viroid," Eur. J               | . Biochem.                       |                |
| _                     |                          | biology: build<br>Biol.17(1):3-8                     |   | ge" Curr. Opin. Ce               | 11.                              |                |
|                       | 445                      | Guo et al. (200<br>Plants" The Pla                   | 03) "A Chemical Regulated I ant Journal 34:383-92;  | nducible RNAi Syst               | em in                            |                |
|                       | 446                      | Hama et al. (1<br>Plasmid Collb-                     | 990) "Organization of the R<br>P9" Journal of Bacteriology  | eplication Control<br>1983-1991; | Region of                        |                |
|                       | 447                      |  | . (1990) "Antisense Gene Th<br>ne in Transgenic Plants" Na  |                                  | sis of the                       |                |
|                       |                          | <del></del>  |   |                                  |                                  |                |

| Form PTO-1449 (Substitute) U.S. Pater   |  | 449 (Substitute)  |  | Application Number          | 10/646,070                          |
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| INFORMATION DISCLOSURE STATEMENT  |  |   |  | First Named Inventor        | Michael Wayne<br>Graham             |
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|   |  |   |  | Examiner Name               | Whiteman, B.                        |
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|   |  |   | NON PATENT LITERATURE DO   | CUMENTS                     |                                     |
| Examiner<br>Initials  | Cite<br>No. <sup>1</sup>   |   | author (in CAPITAL LETTERS), title of a nal, serial, symposium, catalog, etc.) date, and/or country where pu | page(s), volume-issue numbe |                                     |
|   |  | Haselbeck, R.C., and Greer, C.L. (1993) "Minimum intron requirements for tRNA splicing and nuclear transport in Xenopus oocytes," Biochemistry 32(33):8575-81;                              |  |                             |                                     |
|   |  | Haseloff et al. (1988) "Simple RNA Enzymes With New and Highly Specific Endonuclease Activities," Nature 334:585-591;   |  |                             |                                     |
|   |  | Heard, D.J., et al. (1995) "An upstream U-snRNA gene-like promoter is required for transcription of the Arabidopsis thaliana 7SL RNA gene," Nucleic Acids Res. 23(11):1970-6;               |  |                             |                                     |
|   | 451  | Hergersberg, M. (1998) Inaugural Dissertation, Universität Koln;  |  |                             |                                     |
|   |  | Hobbs et al. (1990) "The Effect of T-DNA Copy Number, Position and Methylation on Reporter Gene Expression in Tobacco Transformants" Plant Mol. Biol. 15:851-864;                           |  |                             |                                     |
|   |  | Homann, M., et al. (1996) "Dissociation of long-chain duplex RNA can occur via strand displacement in vitro: biological implications" Nucleic Acids Res. 24(22):4395-4400;                  |  |                             |                                     |
|   | 454  | Huang Y and Carmichael G (1996) "Role of polyadenylation in nucleocytoplasmic transport of mRNA" Mol. Cell. Biol. 16: 1534-1542;  |  |                             |                                     |
|   | 455 Ingelbrecht et al. (1994) "Postranscriptional Silencing of Repo<br>Transgenes in Tobacco Corrects with DNA Methylation" 91:10502-1 |   |  |                             |                                     |
|   | 456  | Itaya A et al., (2001) "Potato spindle tuber viroid as Inducer of RNA Silencing in Infected Tomato," Mol. Plant Microbe In. 14(11):1332-1334;   |  |                             |                                     |
| -   |  | mediators and r<br>RNA," Virology   | are better than o<br>responses to doubl  | e-stranded                  |                                     |
| 458 James, W. (1991) "Towards gene-inhibition therapy: a review of prog<br>and prospects in the field of antiviral antisense nucleic acids and<br>ribozymes," Antivir. Chem. Chemother. 2(4):191-214; |  |   |  |                             | cids and                            |
|   | 459  | Jorgensen et al. (1987) "T-DNA is Organized Predominantly In Inverted Repeat Structures in Plants Transformed with Agrobacterium Tumefaciens C58 Derivatives" Mol. Gen. Genet. 207:471-477; |  |                             |                                     |
| EXAMINE   | ₹  |   | DATE CONSIDERED  |                             |                                     |

| Form P1                       | O-1          | 449 (Substitute)                                     | <del>-</del>                   |   | Application Number                  | 10/646,070                       |                |
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| Examiner<br>Initials          | Cite<br>No.1 |  | nal, serial, symposiu          | L LETTERS), title of the a<br>im, catalog, etc.) date, pag<br>d/or country where publis | e(s), volume-issue numbe            | ′′                               | T <sup>2</sup> |
|                               | 460          |  | . (1991) "Sen                  | se and Antisense<br>sset Burbank Pota   | RNA-Mediated Res                    |                                  |                |
|                               |              | stimulating horcells," Mol. Co                       | rmone recepto<br>ell. Endocrin | "The cloning of<br>r and its express<br>ol. 89(1-2):141-5                               | sion in COS-7, CI                   | HO, and Y-1                      |                |
|                               |              | in Cells Expres<br>138;                              | ssing High Le                  | ble Reduction of<br>vėls of Anti-Sens   | se RNA" Cell Vol                    | . 42, 129-                       |                |
|                               |              | Reduces Transla<br>Bacteriology 1                    | ation Efficie<br>71:4080-4082; |   | subtilis" Journa                    | l of                             |                |
|                               | 464          |  | -Bound Starch                  | ors Affecting the<br>Synthase Gene Ex   |                                     |                                  |                |
|                               | 465          | Kumagai et al.<br>Biosynthesis W                     | (1995) "Cyto<br>ith Virus-Der  | plasmic Inhibitic<br>ived RNA" Genetic  | on of Carotenoid<br>s 92:1679-1683; |                                  |                |
|                               | 466          | Kumar M and Car<br>Duplex RNA in (<br>62(4): 1415-14 | Cells of High                  | 998) "Antisense F<br>er Eukaryotes" Mi  | RNA: Function and crobiol. Mol. B   | d Fate of<br>iol. Rev.           |                |
|                               | 467          |  |                                | lective degradati<br>(RNAi)" J Mol Er   |                                     |                                  |                |
|                               | 468          | Lee et al. (200<br>Intron Spacers                    |                                | Better RNAi Vect<br>322-9;  | or for Drosophi                     | la: Use of                       |                |
|                               | 469          |  |                                | sion of myb-relat<br>Plant Journal 3:5  |                                     | Moss,                            |                |
|                               | 470          | Li et al. (200)<br>Fibers and Par                    | 5) "The Cotto<br>ticipates in  | n ACTIN1 Gene is<br>Fiber Elongation'   | Functionally Exp                    | pressed in<br>17:859-75;         |                |
|                               | 471          | Immune and Res.                                      | istant Phenot<br>of a Potyviru | Pathogen-Derived<br>ypes in Transgeni<br>s Coat Protein Nu                              | c Tobacco Expres                    | ssing                            |                |
| EXAMINE<br>SIGNATUR           |              |  |                                | DATE CONSIDERED   |                                     |                                  |                |

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| Examiner<br>Initials | Cite<br>No.1 |  | nal, serial, symposiu                         | L LETTERS), title of the a<br>nm, catalog, etc.) date, pag<br>nd/or country where publis | e(s), volume-issue numbe                                 |                                  | T <sup>2</sup> |
|                      |              | Etch Virus Coat<br>Virus Replicat:<br>189:725-733; | erty (1992) "<br>Protein Gen<br>ion in Transg | Untranslatable Tr<br>e Sequence Can Ir<br>enic Plants and                                | anscripts of the<br>sterfere With Tol<br>Protoplasts" Vi | bacco Etch<br>rology             |                |
|                      |              |  |   | "Virus-Mediated F<br>nt Opinion in Pla   |  |                                  |                |
|                      |              |  |   | fficient New Meth<br>chnology 2:107, 1   |  | ene                              |                |
|                      | 475          |  |   | ear Antisense RNA<br>" Molecular Biote   |  |                                  |                |
|                      | -, -         |  |   | eted Nuclear Anti<br>on of Polyoma Vir   |  |                                  |                |
|                      |              |  |   | t-Regulated Produression" The New  |  |                                  |                |
|                      | 478          |  |   | n of Replication<br>sense an Anti-tat  |  |                                  |                |
|                      | 479          | Lodish et al.<br>11.2. (New Yor)                   |   | cular Cell Biolog<br>man & Co.).;  | gy" Chapter 11,  | Section                          |                |
|                      |              | in Plants Expre<br>Replicase" EMBG                 | essing a Modi<br>D J. 12:379-3                | •  | the Putative V   | iral                             |                |
|                      |              | Inducible cat (                                    | Genes" Journa                                 | lational Attenuat<br>l of Bacteriology   | , 172:1-6;   |                                  |                |
|                      | 482          |  |   | peat Induced Gene<br>South Carolina;   | e Silencing in To  | obacco,"                         |                |
|                      | 483          | Marathe, R.P. o<br>Tobacco," Abst                  | et al. (1997)<br>ract P10141;                 | "Cis Repeat Indu   | ced Gene Silenc  | ing in                           |                |
| EXAMINER<br>SIGNATUR |              |  |   | DATE CONSIDERED  |  |                                  |                |

| Form P7              | TO-1         | 449 (Substitute)                   | U.S. Department of Commerce   | Application Number                     | 10/646,070                      |                |
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| Examiner<br>Initials | Cite<br>No.1 |                                    | author (in CAPITAL LETTERS), title of th<br>nal, serial, symposium, catalog, etc.) date, pa<br>and/or country where pub | age(s), volume-issue numbe             |                                 | T <sup>2</sup> |
|                      |              | McManus, et al hairpins" RNA 8     | . (2002) "Gene Silencing usi  |  | gned                            |                |
|                      | 485          |                                    | . (1992) "Structure and Regunal 4:1011-1012;  | latin of Tobacco                       | Extension"                      |                |
| ,                    |              | Contributes to                     | (1999) "Production of Aberra<br>Methylation and Silencing of<br>Cans," The EMBO Journal 18:2                            | f Unlinked Homolo                      |                                 |                |
|                      | 487          | Meyer, P. (1995<br>TIBTECH 13:332- | o) "Understanding and Contro.   | lling Transgene E                      | xpression"                      |                |
|                      |              |                                    | 6) "Homology-Dependent Gene s<br>siol. Plant Mol. Biol. 47:23   |  | ts" Ann.                        |                |
|                      |              |                                    | (1991) "A Satellite RNA of Barel Hammerhead Structure in the L1-720;  |  |                                 |                |
|                      |              | for the activat                    | . (1979) "Structural requirer<br>tion of 2',5'-oligo(A) polymonated HeLa cells" J. Biol. Cho                            | erase and protein                      | kinase of                       |                |
|                      | 491          | Ngo, V.N., et a<br>for molecular t | al. (2006) "A loss-of-function targets in cancer," Nature 4   | on RNA interferen<br>41:106-110 ;      | ce screen                       |                |
|                      |              | sequence-specit<br>regulation " Nu | al. (1994) "In vivo generat<br>fic oligonucleotides for ant<br>ucleic Acids Research Vol. 2                             | isense and triple<br>2 No. 14:2830-283 | x gene<br>6;                    |                |
|                      |              | Solanum Chacoer                    | (2002) "Molecular Analysis of see Small Asparagine-rich Programetophytic Self-Incompation 22:985-96;                    | otein Family Rela                      | ted to the                      |                |
|                      | 494          | Paddison, P.J.,                    | , et al. (2002) "Stable suppian cells," Proc. Natl. Acad  | ression of gene e<br>. Sci. U.S.A. 99: | xpression by<br>1443-1448;      |                |
|                      | 495          | Paddison, P.J., interference-ba    | , et al. (2004) "A resource<br>ased screens in mammals" Nati  | for large-scale Rure 428:427-431;      | NA                              |                |
| EXAMINER<br>SIGNATUR |              |                                    | DATE CONSIDERED   | · · · · · · · · · · · · · · · · · · ·  | <u></u>                         |                |

| Form P1                          | <b>O-1</b>   | 449 (Substitute)                                  |                                | ent of Commerce   | Application Number                | 10/646,070                       | . <u>-</u>     |
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|                                  |              | Consequent Tosp                                   | povirus Resis                  | ansctriptional Tr<br>tance in Trangeni<br>Development" Plan                               | c Lettuce are A:                  |                                  |                |
|                                  |              | is accomplished transcriptional                   | d by short RN<br>L gene silenc | "Replicating pota<br>A fragments that<br>ing," Nucleic Aci                                | are characterist ds Res. 29(11):2 | cic of post-<br>2395-2400;       |                |
|                                  | 498          | Paul CP, Good I<br>small interfer:                | PD, Winer I,<br>ing RNA in hu  | Engelke DR. (2002<br>man cells," Nat E  | ) "Effective expiotechnol. 20(5)  | pression of :505-8.;             |                |
|                                  | 499          | Plasmid map for                                   | r pCR2.1;                      |   |                                   |                                  |                |
|                                  | 500          | Polyadenylation<br>http://en.wikip                | n, Wikipedia,<br>pedia.org/wik | 3 pages,<br>i/Polyadenylation   | (February 20, 2                   | 2007);                           |                |
|                                  |              | Polyadenylation<br>http://en.wikip<br>(redacted); |                                | 3 pages,<br>i/Polyadenylation   | (February 20, 2                   | 2007)                            |                |
|                                  |              | Infection in Tr                                   | ransgenic Pla                  | ction Against To<br>nts Requires Accu<br>A Sequences" Viro                                | mulation of Coat                  | Protein                          |                |
|                                  |              |   |                                | Delay of Disease<br>acco Mosaic Virus   |                                   |                                  |                |
|                                  |              | localization of 382(6590):471-4                   | f transcripti<br>473;          | "Visualization conal complexes in   | rotavirus" Natu                   | ıre                              |                |
|                                  | 505          | Proud et al. (                                    | 1995) "PKR: a                  | New Name and New  | Roles" TIBS 24                    | L-246;                           |                |
|                                  |              | vectors express<br>Therapy 4 861-8                | sing monomeri<br>367;          | bition of HIV-1 r<br>c and multimeric   | hammerhead ribo                   | zymes" Gene                      |                |
|                                  |              |   | etables - A C                  | afety Assessment<br>ase Study of the  |                                   |                                  |                |
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<sup>\*</sup>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a checkmark here if English language Translation is attached.

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|  |              | Robbins, M.A.,<br>Nature Med. 11  | and Rossi, J.J. (2005) "Se  |   | n RNA,"                        |                |
|  |              | Elicited by De:<br>Virology 73:50 |   | Transgenic Plants                       | " J.                           |                |
|  | 510          |                                   | ahle E. (1993) "Poly(A) tai<br>Biol. Chem. 268: 22955-229   |   | unction in                     |                |
|  |              |                                   | et al. "Molecular Cloning.<br>.81 (Cold Spring Harbor Labrk, pub.);   |   |                                |                |
|  |              | Suppression of                    | (2002) "Double-Jeopardy: Bo<br>a Redox-Activated Plant Mi<br>Plants Ozone Sensitive" Th                         | togen-Activated Pr                      | otein Kinase                   |                |
|  | 513          |                                   | et al. (1985) "The Concept<br>iving Resistance Genes from<br>. 13:395-405;                                      |   |                                |                |
|  | 514          |                                   | t al. (1995) "Antisense ACC<br>ce," Hortscience 30(5):970-  |   | s Carnation                    |                |
|  | 515          |                                   | (2003) "Gene Silencing Medi<br>lian Cells" Current Medicir  |   |                                |                |
|  | 516          |                                   | t al. (1993a) "RNA-directed<br>urnal of Biological Chemist  |   |                                |                |
|  | 517          | Schiebel, W. e<br>Leaves" The Jo  | t al. (1993b) "RNA-directed<br>urnal of Biological Chemist  | RNA Polymerase fr<br>ry 268(16):11858-1 | om Tomato<br>1867;             |                |
|  | 518          | adenovirus vec                    | et al. (1998) "Genomic DNF<br>tor results in improved in<br>city," Nat. Genet. 18(2):18                         | vivo gene expressi                      |                                |                |
|  | 519          |                                   | t al. (1998), "Reduction of<br>y Antisense RNA" Proc. Natl  |   |                                |                |
|  |              | •                                 |   |   |                                |                |

| FORM P                | ГО-1         | 449 (Substitute)                                   | U.S. Department of Commer   |  | 10/646,070                           |
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| Examiner<br>Initials* | Cite<br>No.1 |  | author (in CAPITAL LETTERS), title<br>nal, serial, symposium, catalog, etc.) da<br>and/or country where | te, page(s), volume-issue numb               |                                      |
|                       | 520          |  | Post-transcriptional gene   | -silencingRNAs on th                         | ne attack or                         |
|                       |              | on the defense                                     | ?, 2000, BioEssays, 22: 5   | 020-531                                      |                                      |
|                       | 521          |  | t al. (2005) "Second-gene<br>human genomes" Nat Genet.  |  | les covering                         |
|                       | ,            | by Untranslata                                     | al. (1994) "Transgenic P<br>ble Sense RNAs: Expression<br>NAs" Plant Cell 6:1441-14                     | n, Regulation, and E                         | ce Mediated<br>Fate of               |
|                       |              | Stam et al. (1)<br>in Petunia by<br>No. 1, pp. 63- | 997) "Post-Transcriptiona<br>Inverted Transgene Repeat:<br>82;  | l Silencing of Chalos," The Plant Journa     | cone Synthase                        |
|                       | 524          |  | l. (2003) "Transgenic RNA<br>to study gene function" De   |  |                                      |
|                       | 525          |  | 995) "Target Sequence-Spe<br>Ribozymes Directed to ta   |  |                                      |
|                       |              | methylation in                                     | al. (2004) "Lack of homo<br>response to stable dsRNA<br>Res. 32(12):3601-6;                             |  |                                      |
|                       | 527          | Svoboda P., et<br>MuERV-L and IA<br>85 ;           | al. (2004) "RNAi and exp<br>P in preimplantation mous   | e embryos" Dev Biol.                         | . 269(1):276-                        |
|                       | 528          |  | al. (1995) "RNA-Mediated<br>Tobacco Etch Virus Genom  |  |                                      |
|                       |              | Expression Vector the Antisense                    | 992) "Induction of Myogen<br>tor Encoding the DNA Meth<br>Orientation" J. Biol. Che                     | yltransferase cDNA S<br>m., 267:12831-12836; | Sequence in                          |
|                       | 530          | Tabara, H., et                                     | al. (1998) "RNAi in C. e.<br>ence 282(5388):430-431;  |  |                                      |
|                       | 531          |  | l. (1997) "Development of ance in Transgenic Plants   |  |                                      |
|                       |              | Levels" The Pl                                     | ant Journal 11:993-1005;  | with Severely Reduc                          |                                      |

<sup>\*</sup>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a checkmark here if English language Translation is attached.

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| Examiner<br>Initials* | Cite<br>No.1  |   | author (in CAPITAL LETTERS), title o<br>nal, serial, symposium, catalog, etc.) date<br>and/or country where          | e, page(s), volume-issue numb              |                                  | T2 |
|                       |               | transcriptiona:<br>Nicotiana bentl<br>25(4):417-25; | et al. (2001) "Size constr<br>L gene silencing and for R<br>namiana using a potato vir                               | NA-directed methylaus X vector," Plant     | ation in                         |    |
|                       |               | Expressed From<br>Research 23:22                    |  | se III Promoter" Nu                        | acleic Acids                     |    |
|                       |               | directed by ep                                      | al. (1992) "Loss of tumor isome-based antisense cDNAI," Proc. Natl. Acad. Sci.                                       | transcription of                           |                                  |    |
|                       |               | directed by ep                                      | al. (1992) "Loss of tumor isome-based antisense cDNAI," Proc. Natl. Acad. Sci.                                       | transcription of :                         | insulin-like                     |    |
|                       |               | Tuschl T. (200)<br>May;20(5):446-                   | <ul><li>2) "Expanding small RNA in</li><li>3;</li></ul>  | terference" Nat Bio                        | otechnol.                        |    |
| •                     |               | Drosophila and                                      | al. (2000) "Sensitive assa<br>Chinese hamster cultured<br>"Fed. of Euro. Biochem. S                                  | cells using firefly                        | y luciferase                     |    |
|                       |               |   | 1998) "Recent Developments<br>Acids Res. 26:5237-5242;   | in the Hammerhead                          | Ribozyme                         |    |
|                       |               | Chalcone Synth                                      | t al. (1996) "Post-Transcr<br>ase Genes in Petunia Hybri<br>mRNAA, Mechanisms and Appl                               | da and the Accumula                        | ation of                         |    |
|                       |               | Chalcone Synth<br>increase in RN                    | R. et al. (1994) "Transgen<br>ase Expression in Petunia<br>A Turnover" The Plant Jour                                | hybrida Results fronal 6(6)861-877;        | om an                            |    |
|                       |               | Correlates Wit<br>Intermediates,                    | l. (1998) "Silencing of β-<br>n an Increased Abundance o<br>" Nucleic Acids Res 26:517                               | f RNA Degradation 6-5181;                  |                                  |    |
|                       |               | Phosphotransfe<br>Unproductive R<br>Flanking Region | l. (1997) "Post-Transcript<br>rase II Transgene Correlat<br>NAs and With Increased Cyt<br>ns," Plant Journal 12:379- | es With the Accumulosine Methylation (392; | lation of<br>of 3'               |    |
|                       |               | Vaucheret et a                                      | l. (1992) "Inhibition of T<br>pression of Antisense RNA"   | obacco Nitrite Redu                        |                                  |    |
| EXAMINER              |               |   | DATE CONSIDERED  |  | <del></del>                      |    |

|                       | ГО-1         | 449 (Substitute) U.S. Department of Commerce   | Application Number  | 10/646,070                              |                |
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|                       | 544          | Wallace RB et al. (1979) "Hybridization of a   | synthetic   |   | _              |
|                       |              | oligodeoxyribonucleotides to phi chi 174 DNi<br>pair mismatch." Nucleic Acids Res.6(11):354  |   | single base                             |                |
|                       |              | Wang, S., and Dolnick, B.J. (1993) "Quantita   |   | of                                      | -              |
|                       |              | intracellular sense: antisense RNA hybrid do<br>21(18):4383-4391;  | uplexes." Nuclei  | c Acids Res.                            |                |
|                       | 546          | Wassenegger and Pelissier (1998) "A Model fo<br>Silencing in Higher Plants," Plant Mol. Bio  |   | Gene                                    |                |
|                       |              | Weerasinghe et al. (1991) "Resistance to Hur<br>Type 1 (HIV-1) Infenction In Human CD4 Lympl<br>Conferred by Using Retroviral Vectors Expres<br>Ribozyme" Journal of Virology 65:5531-5534;  | nocyte-Derived C  | ell Lines                               |                |
|                       |              | Welch P.J. et al. (1998) "Expression of Ribo<br>Systems to Modulate Target RNA Levels" Curro<br>9:486-496;   |   |   |                |
|                       |              | Wesley SV et al. (2001) "Construct design for high-throughput gene silencing in plants,"   |   |   |                |
|                       | 550          | Wu H et al. (1998) "Identification and Part<br>Double Strand RNase Activity" J Biol Chem, 1<br>2542;   |   |   |                |
|                       | 551          | Xu, M., et al. (1989) "Immunoglobulin kappa<br>stable integration. II. Role of the intronio  |   |   |                |
|                       | 1            | transgenic mice," J Biol Chem. 264 (35):21190  | -5 <i>;</i>   | er in                                   |                |
|                       |              | Yang, D., et al. (2000) "Evidence that proceediate sequence-specific mRNA degradation embryos," Curr. Biol. 10(19):1191-1200;  | -5;<br>essed small dsRN<br>during RNAi in D   | As may<br>rosophila                     |                |
|                       |              | Yang, D., et al. (2000) "Evidence that proceediate sequence-specific mRNA degradation of   | -5;<br>essed small dsRN<br>during RNAi in D<br>RNA interferenc  | As may<br>rosophila<br>e in             |                |
|                       | 553          | Yang, D., et al. (2000) "Evidence that proceediate sequence-specific mRNA degradation embryos," Curr. Biol. 10(19):1191-1200; Yi C.E., et al. (2003) "Specific and potent  | -5; essed small dsRN during RNAi in D RNA interferenc Chem. 278(2):934 acterization of                              | As may rosophila e in -9;               |                |
|                       | 553<br>554   | Yang, D., et al. (2000) "Evidence that proceediate sequence-specific mRNA degradation (embryos," Curr. Biol. 10(19):1191-1200;  Yi C.E., et al. (2003) "Specific and potent terminally differentiated myotubes" J Biol (Yu et al. (1995) "In Vitro and in Vivo Chara | essed small dsRN during RNAi in D RNA interferenc Chem. 278(2):934 acterization of Virology 26:381-ted reduction of | As may rosophila e in -9; a Second 386; |                |

| Form P               | ГО-1        | 449 (Substitute)                  | U.S. Department of Commerce  | Application Number          | 10/646,070                       |                |
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| Examiner<br>Initials | Cite<br>No. |                                   | author (in CAPITAL LETTERS), title of a<br>nal, serial, symposium, catalog, etc.) date,<br>and/or country where pu | page(s), volume-issue numbe |                                  | T <sup>2</sup> |
|                      |             | interfering RN                    | 1. (2002) "RNA interference<br>As and hairpin RNAs in mamm<br>99(9):6047-52;                                       | by expression of            |                                  |                |
|                      |             | diverse strain:<br>Acad. Sci. USA |  | virus type 1," Pr           | oc. Natl.                        |                |
|                      |             | diverse strain:<br>Acad. Sci. USA | (1993) "A hairpin ribozyme<br>s of human immunodeficiency<br>90:6340-6344 (redacted);                              | virus type 1," Pr           | oc. Natl.                        |                |
|                      |             | whole plant as:<br>tuber viroid," | . (2001) "Use of a vector be<br>say to demonstrate nuclear<br>J. Gen. Virol. 82:1491-149                           | targeting of Potat<br>7;    | o spindle                        |                |
|                      |             |                                   | 994) "Inhibition of HIV-1 i<br>ransduced anti-tat and rev  |                             |                                  |                |
|                      | 561         |                                   | (1995) "Evidence of the Cr<br>gth Using Transgenic Potato  |                             |                                  |                |
|                      |             |                                   |  |                             |                                  |                |
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|                      |             |                                   |  |                             |                                  |                |
|                      |             |                                   |  |                             |                                  |                |
|                      |             |                                   |  |                             |                                  |                |
| EXAMINEI<br>SIGNATUR |             |                                   | DATE CONSIDERED  |                             |                                  |                |

## **EXHIBIT B**

Supplemental Information Disclosure Statement

Submitted: May 11, 2009

Serial No. 10/646,070

Filed: April 22, 2003

Applicants: Michael Wayne Graham et al.

## **Exhibit B: Table of Locations for Disclosed Documents**

| Document | Document Description   | Document Location  |
|----------|--|--|
| 1        | U.S. Patent No. 4,689,320 (Kaji et al.), August 25, 1987               | Available to the Examiner on PAIR  |
| 2        | U.S. Patent No. 5,891,855 (Florkiewicz), April<br>6, 1999              | Available to the Examiner on PAIR  |
| 3        | U.S. Patent No. 6,054,299 (Conrad), April 25,<br>2000                  | Available to the Examiner on PAIR  |
| 4        | U.S. Provisional Application No. 60/068,562, filed December 23, 1997   | Submitted February 23, 2007 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |
| 5        | U.S. Patent No. 5,017,488 (McAllister et al.),<br>May 21, 1991         | Available to the Examiner on PAIR  |
| 6        | U.S. Patent No. 5,270,163 (Gold et al.),<br>December 14, 1993          | Available to the Examiner on PAIR  |
| 7        | U.S. Patent No. 5,349,126 (Joseph Chappell et al.), September 20, 1994 | Available to the Examiner on PAIR  |
| 8        | U.S. Patent No. 5,405,775 (Inouye et al.),<br>April 11, 1995           | Available to the Examiner on PAIR  |
| 9        | U.S. Patent No. 5,434,070 (Inouye et al.), July 18, 1995               | Available to the Examiner on PAIR  |
| 10       | U.S. Patent No. 5,457,189 (Crooke et al.),<br>October 10, 1995         | Available to the Examiner on PAIR  |
| 11       | U.S. Patent No. 5,474,935 (Chatterjee et al.),<br>December 12, 1995    | Available to the Examiner on PAIR  |
| 12       | U.S. Patent No. 5,496,698 (Draper), March 5, 1996                      | Available to the Examiner on PAIR  |
| 13       | U.S. Patent No. 5,530,192 (Murase et al.),<br>June 25, 1996            | Available to the Examiner on PAIR  |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 14       | U.S. Patent No. 5,578,716 (Moshe Szyf and Eric von Hofe), November 26, 1996 (redacted version) | Submitted March 6, 2007 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |
| 15       | U.S. Patent No. 5,580,703 (Kotin et al.),<br>December 3, 1996                                  | Available to the Examiner on PAIR  |
| 16       | U.S. Patent No. 5,597,718 (John et al.),<br>January 28, 1997                                   | Available to the Examiner on PAIR  |
| 17       | U.S. Patent No. 5,631,148 (Michael S. Urdea),<br>May 20, 1997 (redacted version)               | Submitted March 6, 2007 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |
| 18       | U.S. Patent No. 5,707,835 (Haseloff et al.),<br>January 13, 1998                               | Available to the Examiner on PAIR  |
| 19       | U.S. Patent No. 5,795,715, issued August 18, 1998, to Thierry Livache et al.                   | Available to the Examiner on PAIR  |
| 20       | U.S. Patent No. 5,801,154 (Baracchini et al.),<br>September 1, 1998                            | Available to the Examiner on PAIR  |
| 21       | U.S. Patent No. 5,859,347 (Brown et al.),<br>January 12, 1999                                  | Available to the Examiner on PAIR  |
| 22       | U.S. Patent No. 5,939,600 (Goldbach et al.),<br>August 17, 1999                                | Available to the Examiner on PAIR  |
| 23       | U.S. Patent No. 5,952,546 (Bedbrook et al.),<br>September 14, 1999                             | Available to the Examiner on PAIR  |
| 24       | U.S. Patent No. 6,150,585 (Goldbach et al.),<br>November 21, 2000                              | Available to the Examiner on PAIR  |
| 25       | U.S. Patent No. 6,344,316 B1, issued February 5, 2002 to David J. Lockhart et al.              | Available to the Examiner on PAIR  |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 26       | U.S. Patent No. 6,350,575 (Lusky et al.),<br>February 26, 2002                                  | Available to the Examiner on PAIR  |
| 27       | U.S. Patent No. 6,506,559 (Fire et al.),<br>January 14, 2003 (redacted version)                 | Submitted February 23, 2007 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |
| 28       | U.S. Patent No. 6,995,258 (Rossietal et al.),<br>February 7, 2006                               | Available to the Examiner on PAIR  |
| 29       | U.S. Patent No. 7,064,185 (Lau), June 20,<br>2006   | Available to the Examiner on PAIR  |
| 30       | U.S. Provisional Application No. 60/068,562, filed December 23, 1997 (redacted version)         | Submitted February 23, 2007 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |
| 31       | U.S. Published Application No.<br>2002/0150986 (Lau), October 17, 2002                          | Available to the Examiner on PAIR  |
| 32       | U.S. Published Application No.<br>2003/0148519 (Engelke et al.), August 7,<br>2003              | Available to the Examiner on PAIR  |
| 33       | U.S. Published Application No.<br>2004/0106566 A1, June 3, 2004 (Lin et al.)                    | Available to the Examiner on PAIR  |
| 34       | U.S. Published Application No.<br>2004/0234504 A1, (November 25, 2004)<br>Inder M. Verma et al. | Available to the Examiner on PAIR  |
| 35       | PCT International Publication No. WO 01/12824 A1, published February 22, 2001                   | Submitted April 22, 2008 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed June 1, 2006                      |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 36       | Australian Patent No. AU-B-34025/93,<br>published August 17, 1995 | Submitted June 2, 2008 with an Information Disclosure Statement in connection with U.S. Serial No. 10/346,853, filed January 17, 2003         |
| 37       | Australian Patent No. AU 20891/91, October 1997                   | Submitted December 23, 1999 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999       |
| 38       | Australian Patent No. AU 20891/97, October 1997                   | Submitted July 6, 2000 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999            |
| 39       | Australian Patent No. AU 729454, February 1, 2001                 | Submitted February 7, 2005 in an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004 |
| 40       | European Patent Application No. 0426195<br>B1, October 17, 2001   | Submitted January 29, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999        |
| 41       | European Patent Application No. 0458367<br>B1, October 17, 2001   | Submitted January 29, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999        |
| 42       | European Patent No. 0223399, May 5, 1987                          | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 43       | European Patent No. 0240208, October 7,<br>1987                   | Submitted July 6, 2000 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999            |

| Document | Document Description   | Document Location   |
|----------|--|---|
| 44       | European Patent No. 0467349, January 22,<br>1992                             | Submitted July 6, 2000 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                |
| 45       | European Patent No. 0522880, January 13,<br>1993                             | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 46       | European Patent No. 0647715, April 12, 1995                                  | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 47       | European Patent No. 0779364, June 18, 1997                                   | Submitted June 2, 2005 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                |
| 48       | PCT International Publication No. WO 2003/076619 A1, September 18, 2003      | Submitted June 1, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237 |
| 49       | PCT International Publication No. WO<br>89/05852, published June 29, 1989    | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |
| 50       | PCT International Publication No. WO<br>89/10396, published November 2, 1989 | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 51       | PCT International Publication No. WO 91/02069, published February 21, 1991   | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 52       | PCT International Publication No. Wo<br>91/16426, published October 31, 1991 | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 53       | PCT International Publication No. WO 91/16440, published October 31, 1991    | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 54       | PCT International Publication No. WO 92/04456, published March 19, 1992      | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 55       | PCT International Publication No. WO 92/11375, published July 9, 1992        | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 56       | PCT International Publication No. WO 92/11376, published July 9, 1992              | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 57       | PCT International Publication No. WO 92/17596, published October 15, 1992          | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 58       | PCT International Publication No. WO 92/18625, published October 9, 1997           | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 59       | PCT International Publication No. WO 92/21757, published December 10, 1992         | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 60       | PCT International Publication No. WO 93/05159, published March 18, 1993            | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 61       | PCT International Publication No. WO 93/10251, May 27, 1993                        | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 62       | PCT International Publication No. WO 94/01550, January 20, 1994 (redacted version) | Submitted March 6, 2007 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |
| 63       | PCT International Publication No. WO 94/09143, published April 28, 1994            | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 64       | PCT International Publication No. WO 94/17194, published August 4, 1994            | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 65       | PCT International Publication No. WO 94/18337, published August 18, 1994           | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 66       | PCT International Publication No. WO<br>94/29465, published December 22, 1994      | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 67       | PCT International Publication No. WO 95/07993, published March 23, 1995            | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 68       | PCT International Publication No. WO 95/09920, April 13, 1995                       | Submitted January 29, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999               |
| 69       | PCT International Publication No. WO 95/15394, June 8, 1995                         | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999   |
| 70       | PCT International Publication No. WO 97/11170 A1, March 27, 1997 (redacted version) | Submitted March 6, 2007 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |
| 71       | PCT International Publication No. WO<br>97/16559, published May 9, 1997             | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 72       | PCT International Publication No. WO 97/44460, November 27, 1997                    | Submitted November 18, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,726, April 8, 2004                    |
| 73       | PCT International Publication No. WO 99/29879, June 17, 1999                        | Submitted January 29, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999               |
| 74       | PCT International Publication No. WO 99/61632, December 2, 1999                     | Submitted January 29, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999               |
| 75       | PCT Internation Publication No. WO 97/13865, April 17, 1997                         | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 76       | Complete file history for U.S. Patent No. 6,423,885 B1, issued July 23, 2002 (U.S. Serial No. 09/373,720, filed August 13, 1999; Peter Michael Waterhouse and Ming-Bo Wang)                     | Available to the Examiner on PAIR  |
| 77       | U.S. Patent No. 7,138,565 B2, issued<br>November 21, 2006 (U.S. Serial No.<br>10/152,808, filed May 23, 2002; Peter<br>Michael Waterhouse and Ming-Bo Wang),<br>including complete file history | Available to the Examiner on PAIR  |
| 78       | Amendment submitted April 7, 2006 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002   | Submitted April 7, 2006 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002    |
| 79       | Amendment submitted July 13, 2005, including Terminal Disclaimer in connection with U.S. Serial No. 10/152,808, filed May 23, 2002  | Submitted July 13, 2005 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002    |
| 80       | Amendment submitted October 22, 2004 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002  | Submitted October 22, 2004 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002 |
| 81       | Notice of Allowability, including Examiner's Statement of Reasons for Allowance issued July 11, 2006 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002                          | Issued July 11, 2006 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002       |
| 82       | Office Action issued January 13, 2005 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002   | Issued January 13, 2005 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002    |
| 83       | Office Action issued October 7, 2005 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002  | Issued October 7, 2005 in connection with U.S.<br>Serial No. 10/152,808, filed May 23, 2002  |
| 84       | Office Action issued September 22, 2004 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002   | Issued September 22, 2004 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002  |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 85       | Preliminary Amendment submitted May 23, 2002 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002  | Submitted May 23, 2002 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002           |
| 86       | U.S. Patent Publication No. 2007-0056057<br>A1, published March 8, 2007 (U.S. Serial No.<br>11/593,056, filed November 6, 2006; Peter<br>Michael Waterhouse and Ming-Bo Wang),<br>including complete file history       | Available to the Examiner on PAIR  |
| 87       | Amendment submitted June 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006   | Submitted June 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006      |
| 88       | Communication submitted September 21, 2007 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006  | Submitted September 21, 2007 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006 |
| 89       | Office Action issued December 12, 2007 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006  | Issued December 12, 2007 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006     |
| 90       | Office Action issued July 24, 2007 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006  | Issued July 24, 2007 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006         |
| 91       | Office Action issued September 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006   | Issued September 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006    |
| 92       | Preliminary Amendment submitted<br>November 6, 2006 in connection with U.S.<br>Serial No. 11/593,056, filed November 6,<br>2006   | Submitted November 6, 2006 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006   |
| 93       | U.S. Published Application No.<br>2005/0251877A1, published November 10,<br>2005 (U.S. Serial No. 11/179,504, filed July<br>13, 2005; Peter Michael Waterhouse and<br>Ming-Bo Wang), including complete file<br>history | Available to the Examiner on PAIR  |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 94       | Advisory Action issued June 6, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                          | Issued June 6, 2008 in connection with U.S. Serial<br>No. 11/179,504, filed July 13, 2005            |
| 95       | Advisory Action issued June 6, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                          | Issued June 6, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005               |
| 96       | Amendment submitted February 15, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005, including Exhibit A   | Submitted February 15, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005       |
| 97       | Amendment submitted February 28, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                        | Submitted February 28, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005       |
| 98       | Amendment submitted October 18, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                         | Submitted October 18, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005        |
| 99       | Amendment submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                        | Submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005       |
| 100      | Amendment, including Exhibits A and B submitted May 21, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005 | Submitted May 21, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005            |
| 101      | Communication submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                    | Submitted September 2, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005       |
| 102      | Interview Summary for February 1, 2008<br>Interview in connection with U.S. Serial No.<br>11/179,504, filed July 13, 2005       | Issued February 1, 2008 Interview in connection with U.S. Serial No. 11/179,504, filed July 13, 2005 |
| 103      | Office Action issued April 18, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                          | Issued April 18, 2007 in connection with U.S.<br>Serial No. 11/179,504, filed July 13, 2005          |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 104      | Office Action issued December 20, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   | Issued December 20, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005 |
| 105      | Office Action issued January 30, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  | Issued January 30, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |
| 106      | Office Action issued July 30, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   | Issued July 30, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005     |
| 107      | Office Action issued March 21, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  | Issued March 21, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005    |
| 108      | Office Action issued November 10, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   | Issued November 10, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005 |
| 109      | Preliminary Amendment submitted July 13, 2005 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  | Submitted July 13, 2005 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |
| 110      | U.S. Published Application No. 2003/074684<br>A1, published April 17, 2003 (U.S. Serial No.<br>09/997,905, filed November 30, 2001;<br>Michael Wayne Graham and Robert Norman<br>Rice), including complete file history | Available to the Examiner on PAIR   |
| 111      | Complete file history of U.S. Patent No. 6,573,099, June 3, 2003 (U.S. Serial No. 09/100,812, filed June 19, 1998; Michael Wayne Graham and Robert Norman Rice)   | Available to the Examiner on PAIR   |
| 112      | Advisory Action issued February 15, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998   | Issued February 15, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998 |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 113      | Amendment submitted April 29, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998   | Submitted April 29, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998     |
| 114      | Amendment submitted November 10, 2000 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998                                      | Submitted November 10, 2000 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998  |
| 115      | Amendment submitted November 12, 2001 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998                                      | Submitted November 12, 2001 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998  |
| 116      | Amendment submitted October 17, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998                                       | Submitted October 17, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998   |
| 117      | Amendment submitted September 26, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998                                     | Submitted September 26, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998 |
| 118      | Communication submitted April 3, 2000 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998                                      | Submitted April 3, 2000 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998      |
| 119      | Declaration of Kenneth Clifford Reed<br>submitted September 26, 2002 in connection<br>with U.S. Serial No. 09/100,812, filed June<br>19, 1998 | Submitted September 26, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998 |
| 120      | Declaration of Michael Wayne Graham submitted April 29, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998               | Submitted April 29, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998     |
| 121      | Declaration of Michael Wayne Graham<br>submitted September 26, 2002 in connection<br>with U.S. Serial No. 09/100,812, filed June<br>19, 1998  | Submitted September 26, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998 |
| 122      | Interview Summary issued January 11, 2001 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998                                  | Issued January 11, 2001 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998      |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 123      | Interview Summary issued September 18,<br>2002 in connection with U.S. Serial No.<br>09/100,812, filed June 19, 1998  | Issued September 18, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998      |
| 124      | Notice of Allowability, including Examiner's Amendment and Examiner's Statement of Reasons for Allowance issued November 20, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998              | Issued November 20, 2002 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998       |
| 125      | Office Action issued December 2, 1999 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998  | Issued December 2, 1999 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998        |
| 126      | Office Action issued February 12, 2001 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998   | Issued February 12, 2001 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998       |
| 127      | Office Action issued May 10, 2000 in connection with U.S. Serial No. 09/100,812, filed June 19, 1998  | Issued May 10, 2000 in connection with U.S.<br>Serial No. 09/100,812, filed June 19, 1998         |
| 128      | Complete file history for U.S. Published<br>Application No. 2003/0159161 A1, published<br>August 21, 2003 (U.S. Serial No. 10/346,853,<br>filed January 17, 2003; Michael Wayne<br>Graham and Robert Norman Rice) | Available to the Examiner on PAIR .   |
| 129      | Amendment and Request for Continued Examination submitted January 7, 2009 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003   | Submitted January 7, 2009 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003   |
| 130      | Amendment submitted April 16, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Submitted April 16, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003    |
| 131      | Amendment submitted December 27, 2006 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003   | Submitted December 27, 2006 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003 |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 132      | Amendment submitted February 22, 2007, in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Submitted February 22, 2007 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003 |
| 133      | Amendment submitted January 17, 2003 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Submitted January 17, 2003 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  |
| 134      | Amendment submitted March 25, 2003 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Submitted March 25, 2003 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003    |
| 135      | Amendment submitted October 17, 2007 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Submitted October 17, 2007 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  |
| 136      | Communication submitted August 2, 2005 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Submitted August 2, 2005 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003    |
| 137      | Decision on Petition to Make Special Under<br>37 CFR 1.102(d) submitted July 27, 2004 in<br>connection with U.S. Serial No. 10/346,853,<br>filed January 17, 2003 | Submitted July 27, 2004 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003     |
| 138      | Interview Summary issued December 11, 2007 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Issued December 11, 2007 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003    |
| 139      | Notice of Improper Request for Continued<br>Examination issued October 29, 2008 in<br>connection with U.S. Serial No. 10/346,853,<br>filed January 17, 2003       | Issued October 29, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003     |
| 140      | Office Action issued April 17, 2007 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003   | Issued April 17, 2007 in connection with U.S.<br>Serial No. 10/346,853, filed January 17, 2003    |

| Document | Document Description  | Document Location   |
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| 141      | Office Action issued January 16, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003   | Issued January 16, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003     |
| 142      | Office Action issued July 22, 2005 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Issued July 22, 2005 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003        |
| 143      | Office Action issued July 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003   | Issued July 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003         |
| 144      | Office Action issued June 27, 2006 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003  | Issued June 27, 2006 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003        |
| 145      | Petition for Unintentionally Delayed Claim of Priority under 37 CFR § 1.78(a)(3) submitted December 27, 2006 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003                              | Submitted December 27, 2006 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003 |
| 146      | Petition to Make Special Under 37 CFR<br>1.102(d) submitted July 27, 2004 in<br>connection with U.S. Serial No. 10/346,853,<br>filed January 17, 2003   | Submitted July 27, 2004 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003     |
| 147      | Request for Continued Examination submitted October 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003   | Submitted October 7, 2008 in connection with U.S. Serial No. 10/346,853, filed January 17, 2003   |
| 148      | Complete file history for U.S. Published<br>Application No. 2004/0180439 A1, pub.<br>September 16, 2004 (U.S. Serial No.<br>10/759,841, filed January 15, 2004; Michael<br>Wayne Graham and Robert Norman Rice) | Available to the Examiner on PAIR   |
| 149      | Amendment submitted April 15, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004  | Submitted April 15, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004    |

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|--------------|---|--|
| 150          | Amendment submitted December 29, 2006 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                   | Submitted December 29, 2006 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004        |
| <b>J</b> 151 | Amendment submitted February 21, 2007, in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                  | Submitted February 21, 2007 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004        |
| 152          | Amendment submitted October 25, 2007 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                    | Submitted October 25, 2007 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004         |
| 153          | Amendment submitted October 31, 2006 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                    | Submitted October 31, 2006 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004         |
| 154          | Amendment submitted October 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                     | Submitted October 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004          |
| 155          | Interview Summary for December 22, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                 | Issued December 31, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004           |
| 156          | Interview Summary for February 12, 2009<br>Interview in connection with U.S. Serial No.<br>10/759,841, filed January 15, 2004 | Issued February 20, 2009 Interview in connection with U.S. Serial No. 10/759,841, filed January 15, 2004 |
| 157          | Interview Summary issued December 11, 2007 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004              | Issued December 11, 2007 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004           |
| 158          | Office Action issued April 25, 2007 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                     | Issued April 25, 2007 in connection with U.S.<br>Serial No. 10/759,841, filed January 15, 2004           |
| 159          | Office Action issued January 22, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004                   | Issued January 22, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004            |

| Document | Document Description   | Document Location  |
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| 160      | Office Action issued January 6, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   | Issued January 6, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004     |
| 161      | Office Action issued January 8, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   | Issued January 8, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004     |
| 162      | Office Action issued July 31, 2006 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   | Issued July 31, 2006 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004       |
| 163      | Office Action issued July 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004  | Issued July 9, 2008 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004        |
| 164      | Office Action issued November 29, 2006 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   | Issued November 29, 2006 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   |
| 165      | Preliminary Amendment submitted January<br>15, 2004 in connection with U.S. Serial No.<br>10/759,841, filed January 15, 2004   | Submitted January 15, 2004 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004 |
| 166      | Complete file history for U.S. Published<br>Application No. 2004/0266005 A1, published<br>December 30, 2004 (U.S. Serial No.<br>10/821,726, filed April 8, 2004; Michael<br>Wayne Graham et al.) | Available to the Examiner on PAIR  |
| 167      | Amendment and Request for Continued<br>Examination Submitted September 5, 2008 in<br>connection with U.S. Serial No. 10/821,726,<br>filed April 8, 2004  | Submitted September 5, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   |
| 168      | Amendment submitted August 2, 2007 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Submitted August 2, 2007 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004      |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 169      | Amendment submitted December 14, 2006 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Submitted December 14, 2006 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004 |
| 170      | Amendment submitted May 4, 2009 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Submitted May 4, 2009 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004       |
| 171      | Amendment submitted November 14, 2005 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Submitted November 14, 2005 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004 |
| 172      | Amendment submitted November 30, 2006 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Submitted November 30, 2006 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004 |
| 173      | Amendment submitted October 31, 2007 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   | Submitted October 31, 2007 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  |
| 174      | Amendment, including Exhibits A to C submitted September 5, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004                         | Submitted September 5, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004 |
| 175      | Communication issued April 2, 2007 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   | Issued April 2, 2007 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004        |
| 176      | Decision on Petition to Make Special Under<br>37 CFR 1.102(d) issued July 28, 2004 in<br>connection with U.S. Serial No. 10/821,726,<br>filed April 8, 2004 | Issued July 28, 2004 in connection with U.S. Serial<br>No. 10/821,726, filed April 8, 2004     |
| 177      | Office Action issued May 30, 2006 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Issued May 30, 2006 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004         |
| 178      | Office Action issued November 3, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Issued November 3, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004     |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 179      | Office Action issued November 6, 2007 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Issued November 6, 2007 in connection with U.S.<br>Serial No. 10/821,726, filed April 8, 2004  |
| 180      | Office Action issued October 14, 2005 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Issued October 14, 2005 in connection with U.S.<br>Serial No. 10/821,726, filed April 8, 2004  |
| 181      | Office Action issued September 2, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   | Issued September 2, 2008 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004    |
| 182      | Petition to Make Special Under 37 CFR 1.102(d) submitted July 28, 2004 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   | Submitted July 28, 2004 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004     |
| 183      | Preliminary Amendment submitted April 8, 2004 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  | Submitted April 8, 2004 in connection with U.S.<br>Serial No. 10/821,726, filed April 8, 2004  |
| 184      | Request to Correct Inventorship Under 37 C.F.R. §1.48(a) submitted December 12, 2007 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004                                     | Submitted December 12, 2007 in connection with U.S. Serial No. 10/821,726, filed April 8, 2004 |
| 185      | Complete file history for U.S. Published<br>Application No. 2005/0250208 A1, pub.<br>November 10, 2005 (U.S. Serial No.<br>11/180,928, filed July 13, 2005; Michael<br>Wayne Graham et al.) | Available to the Examiner on PAIR  |
| 186      | Amendment submitted December 22, 2006, in connection with U.S. Serial No. 11/180,928, filed July 13, 2005   | Submitted December 22, 2006 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005 |
| 187      | Amendment submitted June 6, 2008 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005   | Submitted June 6, 2008 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005      |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 188      | Amendment submitted October 17, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005   | Submitted October 17, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005 |
| 189      | Communication submitted March 6, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005  | Submitted March 6, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005    |
| 190      | Interview Summary issued December 11, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005                                       | Issued December 11, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005   |
| 191      | Office Action issued April 17, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005  | Issued April 17, 2007 in connection with U.S.<br>Serial No. 11/180,928, filed July 13, 2005   |
| 192      | Office Action issued February 6, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005  | Issued February 6, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005    |
| 193      | Office Action issued January 8, 2008 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005   | Issued January 8, 2008 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005     |
| 194      | Office Action issued October 31, 2006 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005  | Issued October 31, 2006 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005    |
| 195      | Preliminary Amendment submitted July 13, 2005 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005                                    | Submitted July 13, 2005 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005    |
| 196      | Request to Correct Inventorship Under 37 C.F.R. §1.48(a) filed October 17, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005. | Submitted October 17, 2007 in connection with U.S. Serial No. 11/180,928, filed July 13, 2005 |

| Document | Document Description  | Document Location  |
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| 197      | U.S. Published Application No.<br>2004/0237145 A1, published November 25,<br>2004 (U.S. Serial No. 10/821,710, filed April<br>8, 2004; Michael Wayne Graham et al.),<br>including complete file history | Available to the Examiner on PAIR  |
| 198      | Advisory Action issued July 20, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   | Issued July 20, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004        |
| 199      | Advisory Action issued September 14, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Issued September 14, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   |
| 200      | Amendment submitted April 29, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   | Submitted April 29, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004    |
| 201      | Amendment submitted August 29, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Submitted August 29, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   |
| 202      | Amendment submitted December 15, 2004 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Submitted December 15, 2004 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |
| 203      | Amendment submitted February 7, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   | Submitted February 7, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  |
| 204      | Amendment submitted July 12, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Submitted July 12, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004     |
| 205      | Amendment submitted July 25, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Submitted July 25, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004     |
| 206      | Amendment submitted November 20, 2006 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Submitted November 20, 2006 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 207      | Amendment submitted October 31, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   | Submitted October 31, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 |
| 208      | Decision on Petition to Make Special Under 37 CFR 1.102(d) submitted July 23, 2004 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004 | Submitted July 23, 2004 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004    |
| 209      | Interview Summary issued November 6,<br>2006 in connection with U.S. Serial No.<br>10/821,710, filed April 8, 2004                                    | Submitted July 23, 2004 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004    |
| 210      | Notice of Abandonment issued December 15, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004                                     | Issued December 15, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   |
| 211      | Office Action issued April 17, 2008 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Issued April 17, 2008 in connection with U.S.<br>Serial No. 10/821,710, filed April 8, 2004   |
| 212      | Office Action issued August 7, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Issued August 7, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004      |
| 213      | Office Action issued February 11, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   | Issued February 11, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   |
| 214      | Office Action issued February 8, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Issued February 8, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004    |
| 215      | Office Action issued January 12, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Issued January 12, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004    |
| 216      | Office Action issued June 19, 2006 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   | Issued June 19, 2006 in connection with U.S.<br>Serial No. 10/821,710, filed April 8, 2004    |

| Document | Document Description   | Document Location  |
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| 217      | Office Action issued June 29, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Issued June 29, 2005 in connection with U.S.<br>Serial No. 10/821,710, filed April 8, 2004         |
| 218      | Office Action issued October 15, 2004 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004   | Issued October 15, 2004 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004         |
| 219      | Petition to Make Special Under 37 CFR 1.102(d) submitted July 23, 2004 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004  | Submitted July 23, 2004 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004         |
| 220      | Preliminary Amendment submitted December 21, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004.  | Submitted December 21, 2005 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004     |
| 221      | Request to Correct Inventorship Under 37<br>C.F.R. §1.48(a) submitted December 12, 2007<br>in connection with U.S. Serial No.<br>10/821,710, filed April 8, 2004                                 | Submitted December 12, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004     |
| 222      | Complete file history for U.S. Published<br>Application No. 2006/0014715, published<br>January 19, 2006 (U.S. Serial No. 11/218,999,<br>filed September 2, 2005; Michael Wayne<br>Graham et al.) | Available to the Examiner on PAIR  |
| 223      | Amendment submitted February 19, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   | Submitted February 19, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005 |
| 224      | Amendment submitted June 17, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   | Submitted June 17, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005     |
| 225      | Amendment submitted March 30, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  | Submitted March 30, 2009 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005    |

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|----------|--|--|
| 226      | Amendment submitted October 31, 2007 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  | Submitted October 31, 2007 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  |
| 227      | Office Action issued May 21, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   | Issued May 21, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005         |
| 228      | Office Action issued September 17, 2007 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   | Issued September 17, 2007 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |
| 229      | Office Action issued September 30, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   | Issued September 30, 2008 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |
| 230      | Preliminary Amendment To The Accompanying Divisional Application Filed Under 37 C.F.R. §1.53, Submission of Sequence Listing And Information Disclosure Statement submitted September 2, 2005 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005 | Submitted September 2, 2005 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005 |
| 231      | Request to Correct Inventorship Under 37<br>C.F.R. §1.48(a) submitted October 31, 2007<br>in connection with U.S. Serial No.<br>11/218,999, filed September 2, 2005  | Submitted October 31, 2007 in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  |
| 232      | Amendment submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003   | Submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003       |
| 233      | Amendment submitted October 10, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003  | Submitted October 10, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003    |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 234      | Amendment, including Exhibits A to I submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003 | Submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003      |
| 235      | Office Action issued November 4, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003                        | Issued November 4, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003      |
| 236      | U.S. Serial No. 09/100,813, filed June 19,<br>1998 (Michael Wayne Graham), including<br>complete file history                     | Available to the Examiner on PAIR   |
| 237      | Amendment submitted December 18, 2002 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000                       | Submitted December 18, 2002 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000 |
| 238      | Amendment submitted December 27, 2005 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000                       | Submitted December 27, 2005 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000 |
| 239      | Amendment submitted December 28, 2006 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000                       | Submitted December 28, 2006 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000 |
| 240      | Amendment submitted December 7, 2004 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000                        | Submitted December 7, 2004 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000  |
| 241      | Amendment submitted March 10, 2005 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000                          | Submitted March 10, 2005 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000    |
| 242      | Amendment submitted September 8, 2003 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000                       | Submitted September 8, 2003 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000 |
| 243      | Communication issued February 17, 2005 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000                      | Issued February 17, 2005 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000    |

| Document | Document Description   | Document Location   |
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| 244      | Communication issued October 27, 2005 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000  | Issued October 27, 2005 in connection with U.S.<br>Serial No. 09/646,807, filed December 5, 2000  |
| 245      | Office Action issued December 17, 2003 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000   | Issued December 17, 2003 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000    |
| 246      | Office Action issued July 8, 2008 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000  | Issued July 8, 2008 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000         |
| 247      | Office Action issued June 28, 2006 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000   | Issued June 28, 2006 in connection with U.S.<br>Serial No. 09/646,807, filed December 5, 2000     |
| 248      | Office Action issued March 7, 2003 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000   | Issued March 7, 2003 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000        |
| 249      | Office Action issued November 18, 2002 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000   | Issued November 18, 2002 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000    |
| 250      | Office Action issued November 18, 2002 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000   | Issued November 18, 2002 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000    |
| 251      | Petition for Unintentionally Delayed Claim of Priority under 37 CFR § 1.78(a)(3) submitted December 28, 2006 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000 | Submitted December 28, 2006 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000 |
| 252      | Preliminary Amendment submitted July 30, 2001 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000  | Submitted July 30, 2001 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000     |
| 253      | Preliminary Amendment submitted May 14, 2001 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000   | Submitted May 14, 2001 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000      |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 254      | Preliminary Amendment submitted<br>September 20, 2000 in connection with U.S.<br>Serial No. 09/646,807, filed December 5,<br>2000   | Submitted September 20, 2000 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000      |
| 255      | Request to Correct Inventorship Under 37<br>C.F.R. §1.48(a) submitted December 12, 2007<br>in connection with U.S. Serial No.<br>09/646,807, filed December 5, 2000   | Submitted December 12, 2007 in connection with U.S. Serial No. 09/646,807, filed December 5, 2000       |
| 256      | File of Re-examination Control No. 90/007,247, filed October 4, 2004 including all references cited and disclosed, rejections and arguments therein (reexamination of U.S. Patent No. 6,573,099, issued June 3, 2003 from U.S. Serial No. 09/100,812) | Available to the Examiner on PAIR   |
| 257      | Amendment submitted June 12, 2006 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004   | Submitted June 12, 2006 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004     |
| 258      | Amendment submitted November 28, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004   | Submitted November 28, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004 |
| 259      | Declaration [of Michael Graham, Ph.D.] Under 37 C.F.R. § 1.131 included with the Amendment submitted June 12, 2006 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  | Submitted June 12, 2006 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004     |
| 260      | Declaration of Michael Graham Under 37<br>C.F.R. § 1.132 included with the Amendment<br>submitted November 28, 2005 in connection<br>with U.S. Reexamination No. 90/007,247,<br>filed October 4, 2004   | Submitted November 28, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004 |

| Document Description   | Document Location   |
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| Ex Parte Reexamination Interview Summary issued October 25, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004   | Issued October 25, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004   |
| Letter to Examiner submitted March 1, 2006, including a copy of a communication from the Australian Patent Office in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004            | Submitted March 1, 2006 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004   |
| Office Action issued April 12, 2006 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  | Issued April 12, 2006 in connection with U.S.<br>Reexamination No. 90/007,247, filed October 4,<br>2004   |
| Office Action issued August 31, 2005 in connection with U.S. Reexamination No. 90/007,247, filed Octóber 4, 2004   | Issued August 31, 2005 in connection with U.S.<br>Reexamination No. 90/007,247, filed October 4,<br>2004  |
| Order Granting / Denying Request For Ex<br>Parte Rexamination issued December 7,<br>2004 in connection with U.S. Reexamination<br>No. 90/007,247, filed October 4, 2004                                  | Issued December 7, 2004 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004   |
| Request for Reexamination Pursuant to 35 U.S.C. §§ 302-307 and 37 C.F.R. § 1.510, submitted October 4, 2004 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004                  | Submitted October 4, 2004 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004   |
| Statement of the Content of the Interview Under 37 C.F.R. § 1.560(b) included with the Amendment submitted November 28, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004 | Submitted November 28, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004   |
|  | Ex Parte Reexamination Interview Summary issued October 25, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  Letter to Examiner submitted March 1, 2006, including a copy of a communication from the Australian Patent Office in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  Office Action issued April 12, 2006 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  Office Action issued August 31, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  Order Granting / Denying Request For Ex Parte Rexamination issued December 7, 2004 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  Request for Reexamination Pursuant to 35 U.S.C. §§ 302-307 and 37 C.F.R. § 1.510, submitted October 4, 2004 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  Statement of the Content of the Interview Under 37 C.F.R. § 1.560(b) included with the Amendment submitted November 28, 2005 in connection with U.S. Reexamination No. |

| Document | Document Description   | Document Location  |
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| 268      | Petition For Extension of Time submitted<br>April 22, 2009 in connection with Merged<br>Reexamination Nos. 90/007,247 and<br>90/008,096, filed October 4, 2004 and May<br>18, 2006, respectively | Submitted April 22, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively    |
| 269      | Advisory Action issued April 24, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                               | Issued April 24, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 270      | Advisory Action issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                               | Issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 271      | Advisory Action issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                               | Issued March 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 272      | Amendment after Final submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                   | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 273      | Amendment submitted April 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                                  | Submitted April 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively    |
| 274      | Amendment submitted August 3, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                                  | Submitted August 3, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively    |

| Document | Document Description   | Document Location   |
|----------|--|---|
| 275      | Amendment submitted July 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   | Submitted July 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively        |
| 276      | Amendment submitted November 28, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   | Submitted November 28, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively    |
| 277      | Decision on Petition For Extension of Time issued April 27, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued April 27, 2009 in connection with Merged<br>Reexamination Nos. 90/007,247 and 90/008,096,<br>filed October 4, 2004 and May 18, 2006,<br>respectively |
| 278      | Decision on Petition Under 37 C.F.R. § 1.181 issued April 25, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued April 25, 2009 in connection with Merged<br>Reexamination Nos. 90/007,247 and 90/008,096,<br>filed October 4, 2004 and May 18, 2006,<br>respectively |
| 279      | Declaration [of Kenneth Reed, Ph.D.] Under 37 C.F.R. § 1.131 included with the Amendment submitted April 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   | Submitted April 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 280      | Declaration [of Michael Graham, Ph.D.] Under 37 C.F.R. § 1.131 included with the Amendment submitted April 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively | Submitted April 24, 2007 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  |

| Document | Document Description   | Document Location  |
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| 281      | Declaration of Dr. Arthur Riggs Under Under 37 C.F.R. §1.132, including Exhibits A to I submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively       |
| 282      | Interview Summary issued February 12, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued February 12, 2009 in connection with<br>Merged Reexamination Nos. 90/007,247 and<br>90/008,096, filed October 4, 2004 and May 18,<br>2006, respectively |
| 283      | Interview Summary issued July 6, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   | Issued July 6, 2007 in connection with U.S.<br>Reexamination No. 90/007,247, filed October 4,<br>2004  |
| 284      | Interview Summary issued June 12, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued June 12, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively              |
| 285      | Interview Summary issued March 2, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued March 2, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively              |
| 286      | Office Action issued April 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   | Issued April 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively             |

| Document | Document Description   | Document Location   |
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| 287      | Office Action issued January 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively   | Issued January 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |
| 288      | Office Action issued November 19, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued November 19, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 289      | Office Action issued November 26, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  | Issued November 26, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 290      | Petition Under 37 C.F.R. § 1.181 submitted<br>April 3, 2009 in connection with Merged<br>Reexamination Nos. 90/007,247 and<br>90/008,096, filed October 4, 2004 and May<br>18, 2006, respectively  | Submitted April 3, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |
| 291      | Petition Under 37 C.F.R. § 1.182 submitted<br>April 3, 2009 in connection with Merged<br>Reexamination Nos. 90/007,247 and<br>90/008,096, filed October 4, 2004 and May<br>18, 2006, respectively  | Submitted April 3, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |
| 292      | Statement of the Content of the Interview Under 37 C.F.R. § 1.560(b) included with the Amendment submitted August 3, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively | Submitted August 3, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |

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| 293      | Summary of the Substance of the Interview and Comments on Examiner's Notes submitted March 16, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                   | Submitted March 16, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 294      | File of Re-examination Control No. 90/008,096, filed May 18, 2006 including all references cited and disclosed, rejections and arguments therein (reexamination of U.S. Patent No. 6,573,099, issued June 3, 2003 from U.S. Serial No. 09/100,812) | Available to the Examiner on PAIR   |
| 295      | Housekeeping Amendment submitted November 27, 2006 in connection with U.S. Reexamination No. 90/008,096, filed May 18, 2006  | Submitted November 27, 2006 in connection with U.S. Reexamination No. 90/008,096, filed May 18, 2006  |
| 296      | Notice of Failure to Comply with <i>Ex Parte</i> Reexamination Request Filing Requirements [37 CFR 1.510(c)] issued May 23, 2006 in connection with U.S. Reexamination No. 90/008,096, filed May 18, 2006  | Issued May 23, 2006 in connection with U.S.<br>Reexamination No. 90/008,096, filed May 18,<br>2006  |
| 297      | Order Granting / Denying Request For Ex<br>Parte Rexamination issued July 20, 2006 in<br>connection with U.S. Reexamination No.<br>90/008,096, filed May 18, 2006  | Issued July 20, 2006 in connection with U.S.<br>Reexamination No. 90/008,096, filed May 18,<br>2006   |
| 298      | Reply to Notice of Failure to Comply with Ex<br>Parte Reexamination Request Filing<br>Requirements submitted June 14, 2006 in<br>connection with U.S. Reexamination No.<br>90/008,096, filed May 18, 2006  | Submitted June 14, 2006 in connection with U.S. Reexamination No. 90/008,096, filed May 18, 2006  |

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| 299      | Request for Reexamination Pursuant to 35 U.S.C. §§ 302-307 and 37 C.F.R. §§1.502 and 1.510, submitted May 18, 2006 in connection with U.S. Reexamination No. 90/008,096, filed May 18, 2006            | Submitted May 18, 2006 in connection with U.S.<br>Reexamination No. 90/008,096, filed May 18,<br>2006  |
| 300      | U.S. Patent Publication No. 2008/0044906<br>A1, published February 21, 2008 (U.S. Serial<br>No. 10/571,384, filed June 1, 2006; Peter<br>Michael Waterhouse et al.) including<br>complete file history | Available to the Examiner on PAIR  |
| 301      | Amendment submitted December 19, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006  | Submitted December 19, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006  |
| 302      | Amendment submitted February 8, 2007 in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT International Application No. PCT/AU2004/01237                               | Submitted February 8, 2007 in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT International Application No. PCT/AU2004/01237 |
| 303      | Office Action issued January 15, 2009 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006  | Issued January 15, 2009 in connection with U.S.<br>Serial No. 10/571,384, filed June 1, 2006   |
| 304      | Office Action issued June 19, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006   | Issued June 19, 2008 in connection with U.S.<br>Serial No. 10/571,384, filed June 1, 2006  |
| 305      | Preliminary Amendment submitted March 10, 2006 in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT International Application No. PCT/AU2004/01237                     | Submitted March 10, 2006 in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237                                     |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 306      | Abstract in English for European Patent Publication No. 0560156, published September 15, 1993, retrieved from esp@acenet on April 22, 2008 | Submitted May 21, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |
| 307      | Amendment submitted November 4, 2005 in connection with U.S. Serial No. 10/282,996, filed October 30, 2002                                 | Submitted May 18, 2006 in connection with U.S. Reexamination No. 90/008,096, filed May 18, 2006  |
| 308      | Office Action issued January 25, 2006 in connection with U.S. Serial No. 10/282,996, filed October 30, 2002                                | Submitted May 18, 2006 with an Information Disclosure Statement in connection with U.S. Reexamination No. 90/008,096, filed May 18, 2006 |
| 309      | U.S. Serial No. 11/905,368, filed September<br>28, 2007 (Andrew Fire et al.)   | Available to the Examiner on PAIR  |
| 310      | U.S. Serial No. 09/056,767, filed April 8, 1998<br>(Peter Michael Waterhouse et al.), including<br>complete file history                   | Available to the Examiner on PAIR  |
| 311      | U.S. Serial No. 09/127,735, filed August 3,<br>1998 (Peter Michael Waterhouse et al.),<br>including complete file history                  | Available to the Examiner on PAIR  |
| 312      | U.S. Serial No. 09/287,632, filed April 7, 1999<br>(Peter Michael Waterhouse et al.), including<br>complete file history                   | Available to the Examiner on PAIR  |
| 313      | Advisory Action issued April 11, 2002 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                   | Issued April 11, 2002 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 314      | Amendment submitted April 2, 2002 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                       | Submitted April 2, 2002 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 315      | Amendment submitted August 21, 2000 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                     | Submitted August 21, 2000 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |

| Document | Document Description  | Document Location   |
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| 316      | Amendment submitted August 24, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999    | Submitted August 24, 2001 in connectin with U.S. Serial No. 09/287,632, filed April 7, 1999     |
| 317      | Amendment submitted August 8, 2007, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999    | Submitted August 8, 2007, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999    |
| 318      | Amendment submitted January 16, 2003 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Submitted January 16, 2003 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 319      | Amendment submitted July 7, 2003 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999       | Submitted July 7, 2003 in connection with U.S.<br>Serial No. 09/287,632, filed April 7, 1999    |
| 320      | Amendment submitted June 11, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      | Submitted June 11, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 321      | Amendment submitted March 19, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999     | Submitted March 19, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999     |
| 322      | Amendment submitted March 5, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      | Submitted March 5, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 323      | Amendment submitted May 1, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999        | Submitted May 1, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999        |
| 324      | Amendment submitted May 10, 2006, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      | Submitted May 10, 2006, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 325      | Amendment submitted November 22, 2006 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Submitted November 22, 2006 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 326      | Amendment submitted September 12, 2005, in connection with U.S Serial No. 09/287,632, filed April 7, 1999 | Submitted September 12, 2005, in connection with U.S Serial No. 09/287,632, filed April 7, 1999 |

| Document | Document Description   | Document Location  |
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| 327      | Communication issued August 21, 2001 in connection with U. S. Serial No. 09/287,632, filed April 7, 1999   | Issued August 21, 2001 in connection with U. S. Serial No. 09/287,632, filed April 7, 1999   |
| 328      | Communication issued December 3, 2004, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Issued December 3, 2004, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 329      | Communication issued July 21, 2000 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Issued July 21, 2000 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 330      | Communication issued June 2, 1999 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Issued June 2, 1999 in connection with U.S. Serial<br>No. 09/287,632, filed April 7, 1999    |
| 331      | Communication issued March 25, 2004 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Issued March 25, 2004 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999     |
| 332      | Communication submitted May 18, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Submitted May 18, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999    |
| 333      | Declaration of Dr. Elizabeth Salisbury Dennis<br>Under Under 37 C.F.R. §1.132, including<br>Exhibits 1 to 14 submitted August 8, 2007 in<br>connection with U.S. Serial No. 09/287,632,<br>filed April 7, 1999 | Submitted August 8, 2007 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 334      | Declaration of Dr. Marc De Block Under 37 C.F.R. §1.132, including Annexes 1 and 2 submitted August 8, 2007, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                | Submitted August 8, 2007, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 |
| 335      | Interview Summary issued July 29, 2004 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Issued July 29, 2004 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |

| Document | Document Description  | Document Location   |
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| 336      | Interview Summary issued June 2, 2006, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Issued June 2, 2006, in connection with U.S.<br>Serial No. 09/287,632, filed April 7, 1999    |
| 337      | Interview Summary issued November 30,<br>2007 in connection with U.S. Serial No.<br>09/287,632, filed April 7, 1999   | Issued November 30, 2007 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 338      | Interview Summary of September 5, 2002<br>Interview in connection with U.S. Serial No.<br>09/287,632, filed April 7, 1999   | Available to the Examiner on PAIR   |
| 339      | March 18, 2009 Declaration Under 37 C.F.R.<br>1.131 including Annexes I to III, of Dr.<br>Michael Metzlaff in connection with U.S.<br>Serial No. 09/287,632, filed April 7, 1999  | Submitted March 19, 2009 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 340      | May 1, 2008 Declaration Under 37 C.F.R. § 1.131, including Exhibits 1 to 5 of Peter Michael Waterhouse, Michael Wayne Graham, Ming-Bo Wang and Neil A. Smith in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 | Submitted May 1, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 341      | May 7, 2008 Declaration Under 37 C.F.R.<br>1.132 of Peter Robert Schofield<br>Resubmission in connection with U.S. Serial<br>No. 09/287,632, filed April 7, 1999  | Submitted May 7, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 342      | November 1, 2007 Declaration Under 37<br>C.F.R. § 1.131, including Exhibits 1 to 5 of Dr.<br>Elizabeth Salisbury Dennis in connection with<br>U.S. Serial No. 09/287,632, filed April 7, 1999                                   | Submitted November 1, 2007 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 |
| 343      | Office Action issued April 9, 2003 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Issued April 9, 2003 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999       |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 344      | Office Action issued February 8, 2007, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Issued February 8, 2007, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 345      | Office Action issued July 16, 2002 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      | Issued July 16, 2002 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 346      | Office Action issued June 22, 2006 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      | Issued June 22, 2006 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 347      | Office Action issued March 11, 2005 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999     | Issued March 11, 2005 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999     |
| 348      | Office Action issued November 1, 2007, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Issued November 1, 2007, in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 349      | Office Action issued November 10, 2005 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  | Issued November 10, 2005 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 350      | Office Action issued November 2, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Issued November 2, 2001 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 351      | Office Action issued November 3, 2004 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Issued November 3, 2004 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 352      | Office Action issued October 3, 2000 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999    | Issued October 3, 2000 in connection with U.S.<br>Serial No. 09/287,632, filed April 7, 1999 |
| 353      | Office Action issued September 19, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 | Issued September 19, 2008 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 354      | Petition To Correct Inventorship Pursuant To 37 C.F.R. 1.48(a) submitted September 13, 2006 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                   | Submitted September 13, 2006 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 355      | Preliminary Amendment submitted June 28, 1999 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Submitted June 28, 1999 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999       |
| 356      | Summary of Interview submitted August 6, 2004 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   | Submitted August 6, 2004 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 357      | Complete file history for U.S. Patent<br>Publication No. 2004-0214330, published<br>October 28, 2004 (U.S. Serial No.<br>10/755,328, filed January 13, 2004; Peter<br>Michael Waterhouse et al.) | Available to the Examiner on PAIR  |
| 358      | Office Action issued September 1, 2005 in connection with U.S. Serial No. 10/755,328, filed January 13, 2004   | Issued September 1, 2005 in connection with U.S. Serial No. 10/755,328, filed January 13, 2004   |
| 359      | Preliminary Amendment submitted January 13, 2004 in connection with U.S. Serial No. 10/755,328, filed January 13, 2004   | Submitted January 13, 2004 in connection with U.S. Serial No. 10/755,328, filed January 13, 2004 |
| 360 .    | U.S. Patent Publication No. 2006-0178335, published August 10, 2006 (U.S. Serial No. 11/364,183, filed March 1, 2006; Peter Michael Waterhouse et al.), including complete file history          | Available to the Examiner on PAIR  |
| 361      | Amendment submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.  | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.    |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 362      | Declaration by Dr. Michael Metzlaff Under 37 C.F.R. § 1.132 submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006. | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.         |
| 363      | Declaration of Geoffrey Ellacott submitted<br>April 15, 2009, in connection with U.S. Serial<br>No. 11/364,183, filed March 1, 2006.                      | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.         |
| 364      | Declaration of Neil Smith submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.                                   | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.         |
| 365      | Declaration of Peter Michael Waterhouse submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.                     | Submitted April 15, 2009, in connection with U.S. Serial No. 11/364,183, filed March 1, 2006.         |
| 366      | Amendment submitted January 10, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006   | Submitted January 10, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006         |
| 367      | Amendment submitted July 2, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006   | Submitted July 2, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006             |
| 368      | Interview Summary for February 1, 2008<br>Interview in connection with U.S. Serial No.<br>11/364,183, filed March 1, 2006                                 | Available to the Examiner on PAIR   |
| 369      | Interview Summary from February 11, 2009<br>Interview in connection with U.S. Serial No.<br>11/364,183, filed March 1, 2006                               | Issued February 17, 2009 Interview in connection with U.S. Serial No. 11/364,183, filed March 1, 2006 |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 370      | July 2, 2008 Declaration Under 37 C.F.R. § 1.131, including Exhibits 1 to 3 of Peter Michael Waterhouse, Michael Wayne Graham, and Ming-Bo Wang in connection with U.S. Serial No. 11/364,183, filed March 1, 2006 | Submitted July 2, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006        |
| 371      | Office Action issued April 17, 2008 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006   | Issued April 17, 2008 in connection with U.S.<br>Serial No. 11/364,183, filed March 1, 2006      |
| 372      | Office Action issued July 10, 2007 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006  | Issued July 10, 2007 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006          |
| 373      | Preliminary Amendment submitted March 1, 2006 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006   | Submitted March 1, 2006 in connection with U.S. Serial No. 11/364,183, filed March 1, 2006       |
| 374      | Complete file history for U.S. Patent Publication No. 2007-0078105, published April 4, 2007 (U.S. Serial No. 11/607,062, filed December 1, 2006; Peter Michael Waterhouse et al.)                                  | Available to the Examiner on PAIR  |
| 375      | Amendment submitted January 30, 2009 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006   | Submitted January 30, 2009 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006 |
| 376      | Office Action issued July 31, 2008 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006   | Issued July 31, 2008 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006       |
| 377      | Preliminary Amendment submitted December 1, 2006 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006   | Submitted December 1, 2006 in connection with U.S. Serial No. 11/607,062, filed December 1, 2006 |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 378      | U.S. Patent Publication No. 2008-0104732<br>A1, published May 1, 2008 (U.S. Serial No.<br>11/841,737, filed August 20, 2007; Peter<br>Michael Waterhouse et al.), including<br>complete file history | Available to the Examiner on PAIR  |
| 379      | Amendment submitted January 16, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  | Submitted January 16, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  |
| 380      | Notice of Publication issued May 1, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  | Issued May 1, 2008 in connection with U.S. Serial No. 11/841,737, filed August 20, 2007  |
| 381      | EPO Form 2001 dated July 16, 2007 in connection with European Patent Application No. 05013010.3  | Submitted August 14, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 382      | EPO Form 2906 dated July 16, 2007 in connection with European Patent Application No. 05013010.3  | Submitted August 14, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 383      | European Search Report issued for EP05016726, completed on March 8, 2006   | Submitted December 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 11/180,928, filed July 13, 2005                |
| 384      | European Search Report mailed June 3, 2005, for EP 04015041, filed March 19, 1999, 4 pages   | Submitted June 30, 2005 with an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004           |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 385      | Hungarian Patent Office Search Report<br>mailed July 13, 2004, for Hungary patent<br>application no. P0101225, 1 page   | Submitted February 7, 2005 in an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004                     |
| 386      | International Preliminary Report on Patentability issued by the International Bureau of WIPO on March 13, 2006 in connection with International Application No. PCT/AU2004/001237 | Submitted June 1, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237 |
| 387      | International Search Report issued by the International Searching Authority (ISA/AU) on October 20, 2004 in connection with International Application No. PCT/AU2004/001237       | Submitted June 1, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237 |
| 388      | International Search Report mailed on May 10, 2001, for PCT patent application no. PCT/AU01/00297 filed March 16, 2001, 2 pages   | Submitted February 7, 2005 in an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004                     |
| 389      | International Search Report mailed on<br>November 14, 2002, for PCT patent<br>application no. PCT/AU02/01326 filed<br>September 27, 2002, 4 pages                                 | Submitted February 7, 2005 in an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004                     |
| 390      | International Search Report mailed on October 16, 2000, for PCT application no. PCT/IB00/01133 filed August 14, 2000  | Submitted December 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 11/180,928, filed July 13, 2005                           |
| 391      | Written Opinion mailed on April 17, 2004, for PCT application no PCT/AU03/01177 filed September 9, 2003, 7 pages  | Submitted February 7, 2005 in an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, .2004                    |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 392      | Written Opinion mailed on March 19, 2001, for PCT application no. PCT/IB00/01133 filed August 14, 2000  | Submitted November 28, 2005 with an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004                  |
| 393      | Written Opinion of the International Searching Authority issued by the International Preliminary Examining Authority (IPEA/AU) on October 20, 2004 in connection with International Application No. PCT/AU2004/001237 | Submitted June 1, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237 |
| 394      | Australian Written Opinion for<br>SG200205122-5 dated October 24, 2005  | Submitted January 23, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/646,807, filed December 5, 2000                         |
| 395      | Agami et al. (2002) "RNAi and Related<br>Mechanisms And Their Potential Use For<br>Therapy" Current Opinion in Chemical<br>Biology 6:829-834  | Cited in an Office Action issued April 9, 2003 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 396      | Alberts, B., et al. (1989) "Molecular Biology<br>of the Cell" 2nd ed., pp.102, 486487 and 532-<br>535 (Garland Publishing, Inc., New York, NY,<br>pubs.)  | Submitted August 8, 2007 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 397      | Barry et al. (1993) "Methylation induced premeiotically in ascobolus: coextension with DNA repeat legths and effect on transcript elongation" Proc. Natl. Acad. Sci. 90:4557-4561                                     | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 398      | Becker, W.M., and Deamer, D.W. (1991) "The World of the Cell," pp. 474 to 477 (The Benjamin/Cummings Publishing Company, Inc., Redwood City, California, pub.)  | Submitted October 18, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |
| 399      | Berns, K., et al. (2004) "A large-scale RNAi screen in human cells identifies new components of the p53 pathway," Nature 428:431-437  | Submitted October 18, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |
| 400      | Bhargava A., et al. (2004) "Long double-stranded RNA-mediated RNA interference as a tool to achieve site-specific silencing of hypothalamic neuropeptides" Brain Res Brain Res Protoc. (2):115-25                                       | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                                     |
| 401      | Bhargava A., et al. (2002) "Glucocorticoids prolong Ca(2+) transients in hippocampalderived H19-7 neurons by repressing the plasma membrane Ca(2+)-ATPase-1" Mol Endocrinol. 16(7):1629-37  | Submitted March 30, 2009 with an Information Disclosure Statement in connection with in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                  |
| 402      | Bissler, J.J. (1998) "DNA inverted repeats and human disease," Front Biosci. 3:408-418  | Cited in an Office Action issued April 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 403      | Blomberg et al. (1990) "Control of<br>Replication of Plasmid R1: the Duplex<br>Between the Antisense RNA, CopA and its<br>Target, CopT, is Processed Specifically in vivo<br>and in vitro by Rnase III" The EMBO Journal<br>9:2331-2340 | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 404      | Bramlage et al. (1998) "Designing Ribozymes for the Inhibition of Gene Expression," TIBTECH, 16:434-438   | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999   |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 405      | Brantl et al. (1991) "Copy Number Control of<br>the Streptococcal Plasmid pIP501 Occurs at<br>Three Levels" Nucleic Acids Research 20:395-<br>400  | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 406      | Braun and Hemenway (1992) "Expression of<br>Amino-Terminal Portions or Full-Length Viral<br>Replicase Genes in Transgenic Plants Confers<br>Resistance to Potato Virus X Infection" Plant<br>Cell 4:735-744                        | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 407      | Brederode et al. (1995) "Replicase-Mediated<br>Resistance to Alfalfa Mosaic Virus" Virology<br>207:467-474   | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 408      | Brussian, J.A. et al., (1993) "An Arabidopsis<br>Mutant with a Reduced Level of <i>cab140</i> RNA<br>is a Result of Cosuppression" The Plant Cell,<br>American Society of Plant Physiologists,<br>Rockville, MD, USA, 5:667-677    | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 409      | Buchman, A.R., and Berg, P. (1998) "Comparison of intron-dependent and intron-independent gene expression," Mol. Cell. Biol. 8(10):4395-405  | Cited in an Office Action issued August 7, 2007 in connection with U.S. Şerial No. 10/821,710, filed April 8, 2004   |
| 410      | Bussey, H., et al. (2006) "From worm genetic networks to complex human diseases" Nat. Genet. 38(8):862 - 863   | Cited in an Office Action issued January 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 411      | Byzova et al. (2004) "Transforming Petals<br>Into Sepaloid Organs in Araidopsis and<br>Oilseed Rape: Implementation of the Hairpin<br>RNA Mediated Gene Silencing Technology in<br>an Organ-Specific Manner" Planta 218:379-<br>87 | Submitted November 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 412      | Cameron et al. (1989) "Specific Gene<br>Supression by Engineered Ribozymes in<br>Monkey Cells" Proc. Natl. Acad. Sci. USA<br>86:9139-9143   | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 413      | Caplen et al. (2002) "A New Approach to the Inhibition of Gene Expression" Trends In Biotechnology 20:49-51   | Cited in an Office Action issued April 9, 2003 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 414      | Carr et al. (1992) "Resistance to Tobacco<br>Mosaic Virus Induced by the 54-k Da Gene<br>Sequence Requires Expression of the 54-k Da<br>Protein" Mol. Plant Microbe Interact. 5:397-<br>404 | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 415      | Chen et al. (2003) "Temporal and Spatial<br>Control of Gene Silencing in Transgenic<br>Plants by Inducible Expression of Double<br>Stranded RNA" The Plant Journal 36:731-40                | Submitted November 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                      |
| 416      | Chou, S.H., et al. (2003) "Unusual DNA duplex and hairpin motifs," Nucleic Acids Res. 31(10):2461-74  | Cited in an Office Action issued April 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 417      | Citron et al. (1990) "The c4 Repressors of<br>Bacteriophages P1 and P7 Are Antisense<br>RNAs" Cell 62:591-598   | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 418      | Clemens MJ. (1997) "PKRa protein kinase regulated by double-stranded RNA," Int J Biochem Cell Biol. 29(7):945-9.  | Submitted May 5, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,726, filed April 8, 2004  |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 419      | Covey et al. (1997) "Plants Combat Infection<br>by Gene Silencing," Nature 385:781-782  | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |
| 420      | Dale et al. (1990) "Intra-and Intermolecular<br>Site-Specific Recombination in Plant Cells<br>Mediated by Bacteriophage P1<br>Recombinase" Gene 91:79-85  | Submitted March 4, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 421      | Dale et al. (2000) "A test of the model to predict unusually stable RNA hairpin loop stability" RNA 6 608-615   | Cited in an Office Action issued November 4, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003  |
| 422      | Davis, BM et al. (1997) "Expansion of a CUG trinucleotide repeat in the 3' untranslated region of myotonic dystrophy protein kinase transcripts results in nuclear retention of transcripts," Proc. Natl. Acad. Sci. USA 94:7388-7393 | Submitted June 1, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237                                 |
| 423      | de Feyter R et al. (1996) "A ribozyme gene<br>and an antisense gene are equally effective<br>in conferring resistance to tobacco mosaic<br>virus on transgenic tobacco" Mol Gen Genet.<br>250: 329Đ338                                | Submitted February 26, 2009 with an Information Disclosure Statement in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 424      | Definition of "copy" (1995) Webster's New<br>World Dictionary, p. 135, Neufeldt, V., and<br>Sparks, A.N., eds., Simon & Schuster Inc.,<br>New York, NY  | Submitted July 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |
| 425      | Definition of "palindrome" (1999) Glossary of<br>biotechnology and genetic engineering, p.<br>172, Zaid, A., et al., eds., Food and<br>Agriculture Organization of the United<br>Nations, Rome, Italy                                 | Submitted July 24, 2008 in connection with U.S. Serial No. 10/646,070, filed August 22, 2003  |

| Document | Document Description   | Document Location   |
|----------|--|---|
| 426      | Denoya et al. (1986) "Translational<br>Autoregulation of ermC 23S rRNA<br>Methyltransferase Expression in Bacillus<br>subtilis" Journal of Bacteriology 113-1141                               | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                        |
| 427      | Diallo M., et al. (2003) "Long endogenous dsRNAs can induce complete gene silencing in mammalian cells and primary cultures" Oligonucleotides. 13(5):381-92                                    | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                    |
| 428      | Doelling JH and Pikaard CS (1995) "The minimal ribosomal RNA gene promoter of Arabidopsis thaliana includes a critical element at the transcription initiation site" Plant J. Nov;8(5):683-92. | Cited in an Office Action issued September 12, 2008 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006                                   |
| 429 .    | Donahue C.P. et al. (1997) "Kinetics of<br>Hairpin Ribozyme Cleavage in Yeast" RNA<br>3:961-973  | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |
| 430      | Eckner et al. (1991) "Mature mRNA 3' End<br>Formation Stimulates RNA Export From the<br>Nucleus," EMBO J. 10:3513-3522   | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |
| 431      | Egli and Braus (1994) "Uncoupling of mRNA 3' Cleavage and Polyadenylation by Expression of a Hammerhead Ribozyme in Yeast," J. Biol. Chem. 269:27378-27383                                     | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |
| 432      | Erratum to Yu, M., et al. (1993) "A hairpin ribozyme inhibits expression of diverse strains of human immunodeficiency virus type 1," Proc. Natl. Acad. Sci. USA 90(17):8303                    | Submitted February 22, 2008 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/346,853, filed January 17, 2003 |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 433      | Exhibit A from Benitec Australia Ltd. v. Nucleonics, Inc., Civil Litigation Action No. 04-174 (D. Del.) (JJF), filed March 22, 2004; Exhibit A, 380 pages, submitted January 28, 2005                                | Submitted December 27, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/346,853, filed January 17, 2003 |
| 434      | Exhibit B from Benitec Australia Ltd. v. Nucleonics, Inc., Civil Litigation Action No. 04-174 (D. Del.) (JJF), filed March 22, 2004; Exhibit B, 20 pages, submitted January 28, 2005                                 | Submitted December 27, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/346,853, filed January 17, 2003 |
| 435      | Faske, M. et al. (1997) "Transgenic Tobacco<br>Plants Expressing Pea Chloroplast Nmdh<br>cDNA in Sense and AntiSense Orientation,"<br>Plant Physiol., Am. Soc. Of Plant<br>Physiologists, Lancaster, PA, 115:705-715 | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999         |
| 436      | Fedoriw A.M., et al. (2004) "Transgenic RNAi reveals essential function for CTCF in H19 gene imprinting" Science. 303(5655):238-40   | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |
| 437      | Fire et al. (1998) "Potent and Specific Genetic<br>Interference by Double-Stranded RNA in<br>Caenorhabditis elegans" Nature 391:806-822  | Submitted June 2, 2005 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999         |
| 438      | Gan L., et al. (2002) "Specific interference with gene expression and gene function mediated by long dsRNA in neural cells" J Neurosci Methods. 121(2):151-7   | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005   |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 439      | Garcia et al. (2004) "A Classical<br>Arabinogalactan Protein in Essential for the<br>Initiation of Female Gametogenesis in<br>Arabidopsis" The Plant Cell 16:2614-28  | Submitted November 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 440      | Gilbert, S.F. (1997) "Development Biology" 5th ed., Sinauer Associates Inc., Sunderland, MA, pubs.  | Cited in an Office Action issued November 1, 2007 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 441      | Goodwin et al. (1996) "Genetic and<br>Biochemical Dissection of Transgenic RNA-<br>Mediated Virus Resistance" Plant Cell 8:95-<br>105   | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 442      | Graham, M.W. et al. (1996) "Co-suppression,<br>Anti-Sense and Synthetic Viral Resistance: a<br>Common Mechanism!" Symposium 4-3,<br>Abstract for talk given by Michael Graham at<br>the Lorne Genome Conference, Victoria,<br>Australia, Februrary 1996 | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 443      | Gross, H.J., et al. (1982) "Nucleotide<br>Sequence and Secondary Structure of Citrus<br>Exocortis and Chrysanthemum Stunt Viroid,"<br>Eur. J. Biochem. 121(2):249-57  | Submitted July 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                           |
| 444      | Gunsalus, K.C., and Piano, F. (2005) "RNAi as a tool to study cell biology: building the genome-phenome bridge" Curr. Opin. Cell. Biol.17(1):3-8  | Cited in an Office Action issued January 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 445      | Guo et al. (2003) "A Chemical Regulated<br>Inducible RNAi System in Plants" The Plant<br>Journal 34:383-92  | Submitted November 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 446      | Hama et al. (1990) "Organization of the<br>Replication Control Region of Plasmid Collb-<br>P9" Journal of Bacteriology 1983-1991   | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 |
| 447      | Hamilton et al. (1990) "Antisense Gene That<br>Inhibits Synthesis of the Hormone Ethylene<br>in Transgenic Plants" Nature 346:284-287  | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 |
| 448      | Haselbeck, R.C., and Greer, C.L. (1993) "Minimum intron requirements for tRNA splicing and nuclear transport in Xenopus oocytes," Biochemistry 32(33):8575-81                          | Cited in an Office Action issued August 7, 2007 in connection with U.S. Serial No. 10/821,710, filed April 8, 2004                   |
| 449      | Haseloff et al. (1988) "Simple RNA Enzymes<br>With New and Highly Specific Endonuclease<br>Activities," Nature 334:585-591   | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999   |
| 450      | Heard, D.J., et al. (1995) "An upstream U-<br>snRNA gene-like promoter is required for<br>transcription of the Arabidopsis thaliana 7SL<br>RNA gene," Nucleic Acids Res. 23(11):1970-6 | Cited in an Office Action issued December 12, 2007 in connection with U.S. Serial No. 11/593,056, filed November 6, 2006             |
| 451      | Hergersberg, M. (1998) Inaugural<br>Dissertation, Universität Koln   | Submitted June 2, 2005 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 452      | Hobbs et al. (1990) "The Effect of T-DNA<br>Copy Number, Position and Methylation on<br>Reporter Gene Expression in Tobacco<br>Transformants" Plant Mol. Biol. 15:851-864              | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |

| Document Description   | Document Location   |
|--|---|
| Homann, M., et al. (1996) "Dissociation of long-chain duplex RNA can occur via strand displacement in vitro: biological implications" Nucleic Acids Res. 24(22):4395-4400                      | Cited in an Office Action issued January 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |
| Huang Y and Carmichael G (1996) "Role of polyadenylation in nucleocytoplasmic transport of mRNA" Mol. Cell. Biol. 16: 1534-1542  | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |
| Ingelbrecht et al. (1994) "Postranscriptional<br>Silencing of Reporter Transgenes in Tobacco<br>Corrects with DNA Methylation" 91:10502-<br>10506  | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| Itaya A et al., (2001) "Potato spindle tuber viroid as Inducer of RNA Silencing in Infected Tomato," Mol. Plant Microbe In. 14(11):1332-1334   | Submitted June 1, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237   |
| Jacobs BL, Langland JO. "When two strands are better than one: the mediators and modulators of the cellular responses to double-stranded RNA," Virology (1996) 219(2):339-49.                  | Submitted May 5, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,726, filed April 8, 2004   |
| James, W. (1991) "Towards gene-inhibition therapy: a review of progress and prospects in the field of antiviral antisense nucleic acids and ribozymes," Antivir. Chem. Chemother. 2(4):191-214 | Cited in an Office Action issued August 31, 2005 in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004  |
|  | Homann, M., et al. (1996) "Dissociation of long-chain duplex RNA can occur via strand displacement in vitro: biological implications" Nucleic Acids Res. 24(22):4395-4400  Huang Y and Carmichael G (1996) "Role of polyadenylation in nucleocytoplasmic transport of mRNA" Mol. Cell. Biol. 16: 1534-1542  Ingelbrecht et al. (1994) "Postranscriptional Silencing of Reporter Transgenes in Tobacco Corrects with DNA Methylation" 91:10502-10506  Itaya A et al., (2001) "Potato spindle tuber viroid as Inducer of RNA Silencing in Infected Tomato," Mol. Plant Microbe In. 14(11):1332-1334  Jacobs BL, Langland JO. "When two strands are better than one: the mediators and modulators of the cellular responses to double-stranded RNA," Virology (1996) 219(2):339-49.  James, W. (1991) "Towards gene-inhibition therapy: a review of progress and prospects in the field of antiviral antisense nucleic acids and ribozymes," Antivir. Chem. Chemother. |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 459      | Jorgensen et al. (1987) "T-DNA is Organized<br>Predominantly In Inverted Repeat Structures<br>in Plants Transformed with Agrobacterium<br>Tumefaciens C58 Derivatives" Mol. Gen.<br>Genet. 207:471-477 | Submitted June 2, 2005 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                       |
| 460      | Kawcheck et al. (1991) "Sense and Antisense<br>RNA-Mediated Resistance to Potato Leafroll<br>Virus in Russet Burbank Potato Plants"<br>4:247-253   | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 461      | Kelton, C.A., et al. (1992) "The cloning of the human follicle stimulating hormone receptor and its expression in COS-7, CHO, and Y-1 cells," Mol. Cell. Endocrinol. 89(1-2):141-51                    | Cited in an Office Action issued November 10, 2005 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                    |
| 462      | Kim S & Wold BJ (1985) "Stable Reduction of<br>Thymidine Kinase Activity in Cells Expressing<br>High Levels of Anti-Sense RNA" Cell Vol. 42,<br>129-138  | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 463      | Kubo et al. (1989) "mRNA Secondary<br>Structure in an Open Reading Frame Reduces<br>Translation Efficiency in Bacillus subtilis"<br>Journal of Bacteriology 171:4080-4082                              | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                     |
| 464      | Kuipers et al. (1995) "Factors Affecting the Inhibition by Antisense RNA of Granule-Bound Starch Synthase Gene Expression in Potato" Mol. Gen. Genet. 246:745-755                                      | Submitted June 2, 2005 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                       |
| 465      | Kumagai et al. (1995) "Cytoplasmic Inhibition of Carotenoid Biosynthesis With Virus-Derived RNA" Genetics 92:1679-1683   | Submitted March 4, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                      |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 466      | Kumar M and Carmichael G (1998) "Antisense RNA: Function and Fate of Duplex RNA in Cells of Higher Eukaryotes" Microbiol. Mol. Biol. Rev. 62(4): 1415-1434   | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 467      | Lazar, S. et al. (2004) "Selective degradation of cyclin B1 mRNA in rat oocytes by RNA interference (RNAi)" J Mol Endocrinol. 33(1):73-85  | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                 |
| 468      | Lee et al. (2003) "Making a Better RNAi<br>Vector for Drosophila: Use of Intron Spacers"<br>Methods 30:322-9   | Submitted November 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                  |
| 469      | Leech et al. (1993) "Expression of mybrelated Genes in the Moss, Physcomitrella patens" The Plant Journal 3:51-61  | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                     |
| 470      | Li et al. (2005) "The Cotton ACTIN1 Gene is<br>Functionally Expressed in Fibers and<br>Participates in Fiber Elongation" The Plant<br>Cell 17:859-75   | Submitted November 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                  |
| 471      | Lindbo & Dougherty (1992) "Pathogen-<br>Derived Resistance to a Potyvirus: Immune<br>and Resistant Phenotypes in Transgenic<br>Tobacco Expressing Altered Forms of a<br>Potyvirus Coat Protein Nucleotide Sequence"<br>Mol. Plant Micr. Int. 5:144-153 | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 472      | Lindbo & Dougherty (1992) "Untranslatable<br>Transcripts of the Tobacco Etch Virus Coat<br>Protein Gene Sequence Can Interfere With<br>Tobacco Etch Virus Replication in Transgenic<br>Plants and Protoplasts" Virology 189:725-733 | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 473      | Lindbo, John et al. (2001) "Virus-Mediated<br>Reprogramming of Gene Expression in<br>Plants" Current Opinion in Plant Biology,<br>4:181-185   | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 474      | Liu, Z. et al. (1994) "An Efficient New Method<br>to Inhibit Gene Expression" Molecular<br>Biotechnology 2:107, 109-118   | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |
| 475      | Liu, Z. et al. (1994) "Nuclear Antisense RNA:<br>An Efficient New method to Inhibit Gene<br>Expression," Molecular Biotechnology 2: 107-<br>118   | Submitted December 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 11/180,928, filed July 13, 2005 |
| 476      | Liu, Z. et al. (1994) "Targeted Nuclear<br>Antisense RNA Mimics Natural Antisense-<br>Induced Degradation of Polyoma Virus Early<br>RNA" PNAS 91:4258-4262  | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |
| 477      | Liziewicz et al. (1991) "Tat-Regulated<br>Production of Multimerized TAR RNA Inhibits<br>HIV-I Gene Expression" The New Biologist<br>3:82-89  | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999    |
| 478      | Lo et al. (1992) "Inhibition of Replication of<br>HIB-1by Retroviral Vectors Expressing tat-<br>Antisense an Anti-tat Ribozyme RNA"<br>Virology 190:176-183   | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999    |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 479      | Lodish et al. (c1999) "Molecular Cell Biology"<br>Chapter 11, Section 11.2. (New York: W. H.<br>Freeman & Co.).   | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively            |
| 480      | Longstaff et al. (1993) "Extreme Resistance to Potato Virus X Infection in Plants Expressing a Modified Component of the Putative Viral Replicase" EMBO J. 12:379-386 | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 481      | Lovett et al. (1990) "Translational<br>Attenuation as the Regulator of Inducible cat<br>Genes" Journal of Bacteriology 172:1-6  | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                |
| 482      | Marathe, R.P (1997) "CIS-Repeat Induced<br>Gene Silencing in Tobacco," Ph.D. Thesis,<br>University of South Carolina  | Submitted June 3, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                  |
| 483      | Marathe, R.P. et al. (1997) "Cis Repeat Induced Gene Silencing in Tobacco," Abstract P10141   | Submitted June 3, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                  |
| 484      | McManus, et al. (2002) "Gene Silencing using micro-RNA designed hairpins" RNA 8:842-860   | Submitted February 25, 2005 with an Information Disclosure Statement in connection with in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004 |
| 485      | Memelink et al. (1992) "Structure and<br>Regulatin of Tobacco Extension" The Plant<br>Journal 4:1011-1012   | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                                |

| Document | Document Description   | Document Location   |
|----------|--|---|
| 486      | Mette, et al. (1999) "Production of Aberrant<br>Promoter Transcripts Contributes to<br>Methylation and Silencing of Unlinked<br>Homologous Promoters in <i>trans</i> ," The EMBO<br>Journal 18:241-248                   | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |
| 487      | Meyer, P. (1995) "Understanding and Controlling Transgene Expression" TIBTECH 13:332-337.  | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 488      | Meyer, P. (1996) "Homology-Dependent<br>Gene Silencing in Plants" Ann. Rev. Plant<br>Physiol. Plant Mol. Biol. 47:23-48  | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 489      | Miller et al. (1991) "A Satellite RNA of Barley<br>Yellow Dwarf Virus Contains a Novel<br>Hammerhead Structure in the Self-Cleavage<br>Domain" Virology 183:711-720  | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |
| 490      | Minks MA et al. (1979) "Structural requirements of double-stranded RNA for the activation of 2',5'-oligo(A) polymerase and protein kinase of interferon-treated HeLa cells" J. Biol. Chem. Vol. 254, No. 20: 10180-10183 | Cited in an Office Action issued January 22, 2009 in connection with U.S. Serial No. 10/759,841, filed January 15, 2004   |
| 491      | Ngo, V.N., et al. (2006) "A loss-of-function<br>RNA interference screen for molecular<br>targets in cancer," Nature 441:106-110  | Submitted October 18, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   |
| . 492    | Noonberg SB et al. (1994) "In vivo generation<br>of highly abundant sequence-specific<br>oligonucleotides for antisense and triplex<br>gene regulation " Nucleic Acids Research Vol.<br>22 No. 14:2830-2836              | Submitted February 26, 2009 with an Information Disclosure Statement in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |

| Document | Document Description   | Document Location   |
|----------|--|---|
| 493      | O'Brien et al. (2002) "Molecular Analysis of<br>the Stylar-Expressed Solanum Chacoense<br>Small Asparagine-rich Protein Family Related<br>to the HT Modifier of Gametophytic Self-<br>Incompatibility in Nicotiana" The Plant<br>Journal 22:985-96 | Submitted November 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                           |
|          |  |   |
| 494      | Paddison, P.J., et al. (2002) "Stable suppression of gene expression by RNAi in mammalian cells," Proc. Natl. Acad. Sci. U.S.A. 99:1443-1448   | Submitted February 15, 2008 in connection with U.S. Serial No.11/179,504, filed July 13, 2005   |
| 495      | Paddison, P.J., et al. (2004) "A resource for large-scale RNA interference-based screens in mammals" Nature 428:427-431  | Submitted October 18, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005   |
| 496      | Pang et al. (1996) "Post-transctriptional Transgene Silencing and Consequent Tospovirus Resistance in Trangenic Lettuce are Affected by Transgene Dosage and Plant Development" Plant J. 9:899-909   | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 497      | Papefthimiou et al. (2001) "Replicating potato spindle tuber viroid RNA is accomplished by short RNA fragments that are characteristic of post-transcriptional gene silencing," Nucleic Acids Res. 29(11):2395-2400                                | Submitted June 1, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237 |
| 498      | Paul CP, Good PD, Winer I, Engelke DR. (2002) "Effective expression of small interfering RNA in human cells," Nat Biotechnol. 20(5):505-8.   | Submitted May 5, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,726, filed April 8, 2004                                 |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 499      | Plasmid map for pCR2.1  | Submitted July 11, 2008 in connection with<br>Merged Reexamination Nos. 90/007,247 and<br>90/008,096, filed October 4, 2004 and May 18,<br>2006, respectively                  |
| 500      | Polyadenylation, Wikipedia, 3 pages, http://en.wikipedia.org/wiki/Polyadenylation (February 20, 2007)   | Submitted February 23, 2007 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004                       |
| 501      | Polyadenylation, Wikipedia, 3 pages, http://en.wikipedia.org/wiki/Polyadenylation (February 20, 2007) (redacted)  | Submitted February 23, 2007 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004                       |
| 502      | Powell et al. (1990) "Protection Against Tobacco Mosaic Virus Infection in Transgenic Plants Requires Accumulation of Coat Protein Rather than Coat Protein RNA Sequences" Virology 175:124-130 | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 503      | Powell-Abel et al. (1986) "Delay of Disease<br>Development in Trangenic Plants that<br>Express the Tobacco Mosaic Virus Coat<br>Protein Gene" Science 232:738-743                               | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998   |
| 504      | Prasad, B.V., et al. (1996) "Visualization of ordered genomic RNA and localization of transcriptional complexes in rotavirus" Nature 382(6590):471-473  | Cited in an Office Action issued January 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 505      | Proud et al. (1995) "PKR: a New Name and<br>New Roles" TIBS 241-246   | Submitted March 4, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 506      | Ramezani et al (1997) "Inhibition of HIV-1 replication by retroviral vectors expressing monomeric and multimeric hammerhead ribozymes" Gene Therapy 4 861-867               | Cited in an Office Action issued January 15, 2008 in connection with U.S. Serial No. 10/571,384, filed June 1, 2006                                      |
| 507      | Redenbaugh et al. (1992) "Safety Assessment of Genetically Engineered Fruits and Vegetables - A Case Study of the FlavrSavr™ Tomato," CRC Press, Boca Raton, FL             | Submitted June 2, 2005 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                       |
| 508      | Robbins, M.A., and Rossi, J.J. (2005) "Sensing the danger in RNA," Nature Med. 11:250-251   | Submitted December 21, 2005 with an Information Disclosure Statement in connection with U.S. Serial No. 10/821,710, filed April 8, 2004                  |
| 509      | Rubio et al., (1999) "Broad Spectrum<br>Protection Against Tombusviruses Elicited by<br>Defective Interfering RNAs in Transgenic<br>Plants" J. Virology 73:5070-5078        | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999   |
| 510      | Sachs A. and Wahle E. (1993) "Poly(A) tail metabolism and function in eucaryotes" J. Biol. Chem. 268: 22955-22958   | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 511      | Sambrook, J., et al. "Molecular Cloning. A<br>Laboratory Model," 2nd ed., pp. 16.1 to<br>16.81 (Cold Spring Harbor Laboratory Press,<br>Cold Spring Harbor, New York, pub.) | Submitted October 18, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |

| Document | Document Description   | Document Location   |
|----------|--|---|
| 512      | Samuel et al. (2002) "Double-Jeopardy: Both<br>Overexpression and Suppression of a Redox-<br>Activated Plant Mitogen-Activated Protein<br>Kinase Render Tobacco Plants Ozone<br>Sensitive" The Plant Cell 14:2059-69 | Submitted November 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999 |
| 513      | Sanford, J.C., et al. (1985) "The Concept of<br>Parasite-Derived Resistance-Deriving<br>Resistance Genes from the Parasite's own<br>Genome," J. Theor. Biol. 13:395-405  | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 514      | Savin, K.W., et al. (1995) "Antisense ACC<br>Oxidase RNA Delays Carnation Petal<br>Senescence," Hortscience 30(5):970-972  | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 515      | Scherr et al. (2003) "Gene Silencing<br>Mediated by Small Interfering RNA's in<br>Mammalian Cells" Current Medicinal<br>Chemistry 10:245-256   | Cited in an Office Action issued April 9, 2003 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                       |
| 516      | Schiebel, W. et al. (1993a) "RNA-directed<br>RNA Polymerase from Tomato Leaves" The<br>Journal of Biological Chemistry<br>268(16):11858-11867  | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999      |
| 517      | Schiebel, W. et al. (1993b) "RNA-directed<br>RNA Polymerase from Tomato Leaves" The<br>Journal of Biological Chemistry<br>268(16):11858-11867  | Submitted in connection with U.S. Serial No. 09/056,767, filed April 8, 1998  |
| 518      | Schiedner, G., et al. (1998) "Genomic DNA transfer with a high-capacity adenovirus vector results in improved in vivo gene expression and decreased toxicity," Nat. Genet. 18(2):180-3                               | Cited in an Office Action issued November 1, 2007 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                    |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 519      | Sheehy, R.E. et al. (1998), "Reduction of<br>Polygalacturonase Activity in Tomato Fruit by<br>Antisense RNA" Proc. Natl. Acad. Sci, USA<br>85:8805-8809  | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999       |
| 520      | Sijen et al., Post-transcriptional genesilencingRNAs on the attack or on the defense?, 2000, BioEssays, 22: 520-531  | Cited in an Office Action issued November 10, 2008 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005                    |
| 521      | Silva, J.M., et al. (2005) "Second-generation shRNA libraries covering the mouse and human genomes" Nat Genet. 37:1281-1288  | Submitted October 18, 2007 in connection with U.S. Serial No. 11/179,504, filed July 13, 2005  |
| 522      | Smith, Neil et al. (1994) "Transgenic Plant<br>Virus Resistance Mediated by Untranslatable<br>Sense RNAs: Expression, Regulation, and Fate<br>of Nonessential RNAs" Plant Cell 6:1441-<br>1453 | Submitted November 22, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 523      | Stam et al. (1997) "Post-Transcriptional Silencing of Chalcone Synthase in <i>Petunia</i> by Inverted Transgene Repeats," The Plant Journal Vol. 12, No. 1, pp. 63-82                          | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999     |
| 524      | Stein P., et al. (2003) "Transgenic RNAi in mouse oocytes: a simple and fast approach to study gene function" Dev Biol. 256(1):187-93  | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005 |
| 525      | Sun et al., (1995) "Target Sequence-Specific Inhibition of HIV-1 Replication by Ribozymes Directed to tat RNA" Nucleic Acides Research 23:2909-2913  | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999     |

| Document | Document Description  | Document Location  |
|----------|---|--|
| 526      | Svoboda P., et al. (2004) "Lack of homologous sequence-specific DNA methylation in response to stable dsRNA expression in mouse oocytes" Nucleic Acids Res. 32(12):3601-6                                       | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                 |
| 527      | Svoboda P., et al. (2004) "RNAi and expression of retrotransposons MuERV-L and IAP in preimplantation mouse embryos" Dev Biol. 269(1):276-85  | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005                 |
| 528      | Swaney, S. et al. (1995) "RNA-Mediated<br>Resistance with Nonstructural Genes from<br>the Tobacco Etch Virus Genome," MPMI<br>8(6):1005-1011  | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                       |
| 529      | Szyf et al. (1992) "Induction of Myogenic Differentiation by an Expression Vector Encoding the DNA Methyltransferase cDNA Sequence in the Antisense Orientation" J. Biol. Chem., 267:12831-12836                | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 530      | Tabara, H., et al. (1998) "RNAi in C. elegans:<br>Soaking in the Genome Sequence," Science<br>282(5388):430-431   | Submitted March 4, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                      |
| 531      | Takahashi et al. (1997) "Development of<br>Necrosis and Activation of Disease<br>Resistance in Transgenic Plants with Severely<br>Reduced Catalase Levels" The Plant Journal<br>11:993-1005                     | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                     |
| 532      | Thomas, C.L., et al. (2001) "Size constraints for targeting post-transcriptional gene silencing and for RNA-directed methylation in Nicotiana benthamiana using a potato virus X vector," Plant J. 25(4):417-25 | Cited in an Office Action issued January 13, 2005 in connection with U.S. Serial No. 10/152,808, filed May 23, 2002                                      |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 533      | Thompson et al. (1995) "Improved<br>Accumulation and Activity of Ribozyme<br>Expressed From a tRNA-based RNA<br>Polymerase III Promoter" Nucleic Acids<br>Research 23:2259-2268                                   | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                        |
| 534      | Trojan, J., et al. (1992) "Loss of tumorigenicity of rat glioblastoma directed by episome-based antisense cDNA transcription of insulin-like growth factor I," Proc. Natl. Acad. Sci. USA 89:4874-4878            | Submitted February 22, 2008 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/346,853, filed January 17, 2003 |
| 535      | Trojan, J., et al. (1992) "Loss of tumorigenicity of rat glioblastoma directed by episome-based antisense cDNA transcription of insulin-like growth factor I," Proc. Natl. Acad. Sci. USA 89:4874-4878 (redacted) | Submitted February 22, 2008 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/346,853, filed January 17, 2003 |
| 536      | Tuschl T. (2002) "Expanding small RNA interference" Nat Biotechnol. May;20(5):446-8   | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively    |
| 537      | Ui-Tei, K. et al. (2000) "Sensitive assay of<br>RNA interference in Drosophila and Chinese<br>hamster cultured cells using firefly luciferase<br>gene as target" Fed. of Euro. Biochem. Socs<br>Letters 479:79-82 | Submitted February 7, 2005 in an Information Disclosure Statement in connection with U.S. Reexamination No. 90/007,247, filed October 4, 2004               |
| 538      | Vaish et al. (1998) "Recent Developments in<br>the Hammerhead Ribozyme Field" Nucleic<br>Acids Res. 26:5237-5242  | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999  |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 539      | Van Blokland et al. (1996) "Post-<br>Transcriptional Suppression of Chalcone<br>Synthase Genes in Petunia Hybrida and the<br>Accumulation of Unspliced pre-mRNAA,<br>Mechanisms and Applications of Gene<br>Silencing"   | Submitted June 2, 2005 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                       |
| 540      | Van Blokland, R. et al. (1994) "Transgene-mediated Suppression of Chalcone Synthase Expression in <i>Petunia hybrida</i> Results from an increase in RNA Turnover" The Plant Journal 6(6)861-877   | Submitted May 28, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                       |
| 541      | van Eldik et al. (1998) "Silencing of β-1,3-glucanase Genes in Tobacco Correlates With an Increased Abundance of RNA Degradation Intermediates," Nucleic Acids Res 26:5176-5181  | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999   |
| 542      | van Houdt et al. (1997) "Post-Transcriptional<br>Silencing of a Neomycin Phosphotransferase<br>II Transgene Correlates With the<br>Accumulation of Unproductive RNAs and<br>With Increased Cytosine Methylation of 3'<br>Flanking Regions," Plant Journal 12:379-392 | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999   |
| 543      | Vaucheret et al. (1992) "Inhibition of<br>Tobacco Nitrite Reductase Activity by<br>Expression of Antisense RNA" The Plant<br>Journal 2:559-569   | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                     |
| 544      | Wallace RB et al. (1979) "Hybridization of synthetic oligodeoxyribonucleotides to phi chi 174 DNA: the effect of single base pair mismatch." Nucleic Acids Res.6(11):3543-57   | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |

| Document | Document Description   | Document Location  |
|----------|--|--|
| 545      | Wang, S., and Dolnick, B.J. (1993) "Quantitative evaluation of intracellular sense: antisense RNA hybrid duplexes." Nucleic Acids Res. 21(18):4383-4391  | Cited in an Office Action issued January 24, 2007 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 546      | Wassenegger and Pelissier (1998) "A Model<br>for RNA-Mediated Gene Silencing in Higher<br>Plants," Plant Mol. Biol. 37:349-362   | Submitted March 4, 2004 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 547      | Weerasinghe et al. (1991) "Resistance to Human Immunodeficiency Virus Type 1 (HIV-1) Infenction In Human CD4 Lymphocyte-Derived Cell Lines Conferred by Using Retroviral Vectors Expressing an HIV-1 RNA-Specific Ribozyme" Journal of Virology 65:5531-5534 | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 548      | Welch P.J. et al. (1998) "Expression of<br>Ribozymes in Gene Transfer Systems to<br>Modulate Target RNA Levels" Current<br>Opinion in Biotechnology 9:486-496  | Submitted in connection with U.S. Serial No. 09/373,720, filed August 13, 1999   |
| 549      | Wesley SV et al. (2001) "Construct design for efficient, effective and high-throughput gene silencing in plants," Plant J. 27(6):581-590   | Submitted June 1, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237              |
| 550      | Wu H et al. (1998) "Identification and Partial<br>Purification of Human Double Strand RNase<br>Activity" J Biol Chem, Vol. 273, Issue 5, 2532-<br>2542   | Submitted February 26, 2009 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively                       |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 551      | Xu, M., et al. (1989) "Immunoglobulin kappa<br>gene expression after stable integration. II.<br>Role of the intronic MAR and enhancer in<br>transgenic mice," J Biol Chem.264(35):21190-<br>5 | Cited in an Office Action issued November 10, 2005 in connection with U.S. Serial No. 09/287,632, filed April 7, 1999   |
| 552      | Yang, D., et al. (2000) "Evidence that processed small dsRNAs may mediate sequence-specific mRNA degradation during RNAi in Drosophila embryos," Curr. Biol. 10(19):1191-1200                 | Submitted February 26, 2009 with an Information Disclosure Statement in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively |
| 553      | Yi C.E., et al. (2003) "Specific and potent RNA interference in terminally differentiated myotubes" J Biol Chem. 278(2):934-9   | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  |
| 554      | Yu et al. (1995) "In Vitro and in Vivo<br>Characterization of a Second Functional<br>Hairpin Ribozyme Against HIV-1" Virology<br>26:381-386   | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999  |
| 555      | Yu J., et al. (2004) "Transgenic RNAi-<br>mediated reduction of MSY2 in mouse<br>oocytes results in reduced fertility" Dev Biol.<br>268(1):195-206  | Submitted March 30, 2009 with an Information Disclosure Statement in connection with U.S. Serial No. 11/218,999, filed September 2, 2005  |
| 556      | Yu, J.Y., et al. (2002) "RNA interference by expression of short-interfering RNAs and hairpin RNAs in mammalian cells," Proc. Natl. Acad. Sci. USA 99(9):6047-52                              | Submitted July 11, 2008 in connection with Merged Reexamination Nos. 90/007,247 and 90/008,096, filed October 4, 2004 and May 18, 2006, respectively  |

| Document | Document Description  | Document Location   |
|----------|---|---|
| 557      | Yu, M., et al. (1993) "A hairpin ribozyme inhibits expression of diverse strains of human immunodeficiency virus type 1," Proc. Natl. Acad. Sci. USA 90:6340-6344                                   | Submitted February 22, 2008 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/346,853, filed January 17, 2003       |
| 558      | Yu, M., et al. (1993) "A hairpin ribozyme inhibits expression of diverse strains of human immunodeficiency virus type 1," Proc. Natl. Acad. Sci. USA 90:6340-6344 (redacted)                        | Submitted February 22, 2008 by a third party with an Information Disclosure Statement in connection with U.S. Serial No. 10/346,853, filed January 17, 2003       |
| 559      | Zhao, Y. et al. (2001) "Use of a vector based on <i>Potato Virus X</i> in a whole plant assay to demonstrate nuclear targeting of <i>Potato spindle tuber viroid</i> ," J. Gen. Virol. 82:1491-1497 | Submitted June 1, 2006 with an Information Disclosure Statement in connection with U.S. Serial No. 10/571,384, filed as a §371 national stage of PCT/AU2004/01237 |
| 560      | Zhou et al. (1994) "Inhibition of HIV-1 in<br>Human T-Lymphocytes by Retrovirally<br>Transduced anti-tat and rev Hammerhead<br>Ribozymes" Gene 149:33-39  | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                              |
| 561      | Zrenner et al. (1995) "Evidence of the Crucial<br>Role of Sucrose Synthase for Sink Strength<br>Using Transgenic Potato Plants" The Plant<br>Journal 7:97-107                                       | Submitted March 11, 2003 with an Information Disclosure Statement in connection with U.S. Serial No. 09/287,632, filed April 7, 1999                              |